# SOUTHEASTERN BIOLOGY

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Number 4

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ASB	THE 75 <sup>TH</sup> ANNIVERSARY OF ASB  ABSTRACT SUBMISSION—SEE PAGE 516.	ASB
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Thank you Past President Patricia B. Cox for your past and continuing service to ASB. Pat's Past President's Address appears on page 504.

### SOUTHEASTERN BIOLOGY

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#### **PURPOSE**

The purpose of this association shall be to promote the advancement of biology as a science by encouraging research, the imparting of knowledge, the application of knowledge to the solution of biological problems, and the preservation of biological resources. The ASB has representation in Section G Committee of the AAAS. Varying types of membership are available to individuals and institutions. See inside back cover.

### TIME AND PLACE OF FUTURE MEETINGS

- April 4-7: Hosted by the University of Georgia, Athens, Georgia. Meeting site is the Georgia Center on campus. April 10-13: Hosted by Marshall University, Huntington, WV. Meeting site is the Charleston Convention Center, 2012 2013
- Charleston, WV. 2014 April: Spartanburg, SC (TBA); 2015 April: Alabama (TBA); 2016 April: TBA; 2017 April: Spartanburg, SC (TBA).

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### THE VIEW FROM HERE

#### A MESSAGE FROM THE PRESIDENT

#### DONALD H. ROUSH

I hope many of you were able to attend our 72<sup>nd</sup> Annual Meeting held in Huntsville in the spring. This meeting was the first to be organized using a program committee working with Scott Jewell, our convention planner. As with any first attempt, some bumps in the road were encountered. At the conclusion of the Saturday morning Executive Committee meeting, it was decided to continue this process (with some changes) again for the meeting in Athens, Georgia. Using this revamped procedure should eliminate the difficulties encountered at Huntsville and make for a smooth and efficient meeting at The University of Georgia. All things considered, we had a GREAT meeting with excellent symposia, papers and posters being presented. In addition as those that attended will attest, everyone received the extra benefit of healthy exercise between the Embassy Suite Hotel and the Von Braun Center meeting rooms. Our 73<sup>rd</sup> Annual Meeting (ASB's 75<sup>th</sup> anniversary) will be held again at the University of Georgia, where it all began. ASB celebrated the 25th and the 50th anniversary meetings at this same location. Plans are in progress to recognize and celebrate this significant 75<sup>th</sup> anniversary meeting. Past President John Herr, our living historian is drafting a document covering the history of ASB, which will be unveiled at the meeting.

As I write this first "The View From Here", the country is waiting to see if the government will raise the debt ceiling or default. Our federal financial situation is in a mess. Neither side wants to compromise and "logiam" is the rule of the day. No matter the outcome, the overall picture for financial matters will be challenging at best. All this is to preface my comments on the financial situation with our society. The meeting in Asheville (2009) was the most expensive meeting held in recent times, which placed extreme pressure on the Annual Meeting held in Huntsville this past spring. Our financial standing was in such jeopardy that many of our incurred expenses had to be placed on hold until money was available to cover the costs. This included reimbursement of expenses to speakers, who in good faith had paid their way with the assurance that ASB would cover their cost. Our fiscal survival is dependent on careful planning and budgeting by our convention planner, Scott Jewell, in consultation with Tim Atkinson our treasurer. When this formula is not followed as was the case in Asheville, disaster results. Our planning for the meeting in Athens, GA has been conducted with care and monetary conservatism. With this meeting being the 75<sup>th</sup> anniversary of ASB, the temptation is and was great to spend spend spend in celebration of this event. I have appointed a small committee to develop some options for the celebration with costs as the number one concern. This committee will be reporting their suggestions at our fall executive committee meetina.

ASB's income relies heavily on membership dues and the Annual Meeting registration fees. Our past leaders have tried to hold the costs of registration and associated expenses to reasonable levels. Any decline in membership or attendance at the Annual Meeting will again place ASB in a precarious position. With great effort by our treasurer Tim Atkinson, ASB has been able to survive. But how does this relate to the budget crisis on the national level? Whatever the outcome of the government debt crisis, one thing is for sure, less money will be coming to governmental agencies, the states and to education. For example, we can look to the stimulus money coming to states, much of which was applied to funding of public higher education. The estimate for 2012 will see a reduction from \$51 billion to \$3 billion. This will place more pressure on higher education in the southeastern states. Many government agencies will also suffer monetary cuts to their budgets. Lack of dollars has an impact on grants and other support mechanisms, which places research conducted by our members at risk. Many of our members have been placed in the position of paying their expenses to attend scientific meetings, since their institutions are cutting all travel or limiting funding for travel to absolute minimal levels. Numerous members have indicated they will be attending their discipline specific meetings and not return to ASB due to these funding issues. Research and the dissemination and debate of science is the cornerstone for educating our students and the public, therefore the issue of money and budgets will in due course influence our ability to succeed in a major charge of our society. Therefore we must be good stewards of our finances.

Moving on, the conversion of Southeastern Biology to an online publication has gone well and if you are reading this you have found your way to the new ASB Web page. This move has reduced costs to the society. Along with this conversion, the transition to Southeastern Naturalist (SENA) as the official journal of ASB is progressing. I have appointed a committee to report at the fall executive meeting a plan for a second journal aimed to fill the need for an alternative journal for our members working in areas of genetics, cellular/molecular biology, or physiology. It will follow the model used with the start-up of SENA. As this work progresses, members will eventually be able to designate which of the two journals they want to receive with membership and given an option to receive both by paying an extra fee with their membership dues. Working with Terry Richardson, our membership officer, Tim Atkinson, and the publishers of SENA, ASB will be able to move forward with this membership benefit with financial responsibility. It is my hope that adding this new journal will allow us to keep many of our current members, while attracting new colleagues to join us as "biologist" located throughout the southeastern region.

I would especially like to thank our Web Editor, Ashley Morris, who has done an outstanding job with the design of the ASB Web site. The new design with color and links is easy to navigate and locate information. Many ideas of how to increase traffic to our page and to better utilize both the Web site and Facebook are being discussed. With help from you our members, we hope to increase our visibility and relevance in the southeastern region of the United States. The Web along with Facebook is an important part of that plan.

As always, it is only with the members of the Affiliate Societies, Patron Members and Vendors that ASB continues as a society. The members of these

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groups are what make ASB what it is: a family. A family that works together to make a strong, relevant scientific society dedicated to the advancement of knowledge and the education of future research scientists and faculty. A very big THANK YOU to each of the these groups: American Society of Ichthyologists and Herpetologists — Southeastern Division; Botanical Society of America — Southeastern Division; Ecological Society of America — Southeastern Chapter; Society of Herbarium Curators; Society of Wetlands Scientists — South Atlantic Chapter; Southeastern Society of Parasitologists; Southern Appalachian Botanical Society; TriBeta Southeastern District I and II; Associated Microscope Inc.; Tim Atkinson; Breedlove, Dennis and Associates Inc.; Carolina Biological Supply Company; Martin Microscope Company; Brooks/Cole Cengage Learning; Marilyn Pendley; and Southeastern Naturalist (Humboldt Institute). We look forward to your continued participation and support at our Annual Meeting April 4-7, 2012, at the University of Georgia, Georgia Center.

Please feel free to bring any concerns or items of business to my attention or to any member of the Executive Committee. We are here to serve you our members and to make ASB the **BEST** regional scientific society.

Humbly and sincerely,

Donald H. Roush, President



Incoming President Donald H. Roush (right) receives the gavel from now Past President Patricia B. Cox.

# EVENTS OF THE 2011 ANNUAL MEETING IN HUNTSVILLE, ALABAMA

## HOSTED BY UNIVERSITY OF ALABAMA AT HUNTSVILLE

### ASB Meritorious Teaching Award

The award committee chair, Dwayne Wise, reported that the award committee for the award, sponsored by ASB Patron Member Carolina Biological Supply Company, Burlington, North Carolina, made no award this year.

# ASB LUCRECIA HERR OUTSTANDING BIOLOGY TEACHER AWARD SPECIAL TEACHER HONORED

## PRESENTED TO LUCRECIA HERR COLUMBIA, SOUTH CAROLINA

The ASB Outstanding Biology Teacher Award has been renamed the ASB Lucrecia Herr Outstanding Biology Teacher Award by the Executive Committee in honor of an outstanding biology teacher. The first recipient of this renamed award for 2011 is **Lucrecia Herr** of Columbia, South Carolina, and was presented by award chair, W. Michael Dennis. This very prestigious award is sponsored by the ASB Enrichment Fund and includes a certificate, a check for \$750.00, and, for this year, a framed print featuring daffodils which are Lucrecia's favorite flower

The following biographical sketch for Lucrecia Herr was submitted by the awardee to the Journal Editor.

### BIOGRAPHICAL SKETCH FOR LUCRECIA LINDER HERR

Lucrecia lived her childhood in Mayfield, KY. After high school, she attended the University of Louisville in the pre-dental program but soon decided to pursue her real interest — becoming a teacher. She transferred to Murray State University, Murray, KY as an Honors student. She was a member of the honor society, Beta Beta, and after serving in her senior year as assistant curator of the herbarium, she graduated with a BS degree in Biology.

Her first position was at Madison Junior High School, Madison, WV where she taught general science, chemistry and biology. Her students, the sons and daughters of coal miners, were from very poor circumstances.

After moving to Memphis, TN, she became a research technician in the University of Tennessee School of Medicine and participated in lipid research in

arteriosclerosis. A short time thereafter she took a teaching position at Lincoln Junior High School, LaCrosse, WI and taught biology and general science for advanced students.

Later she joined the faculty of the Biology Department at Wisconsin State University primarily to teach biology in the audio-tutorial program, but also served as laboratory coordinator for the conventional general biology principles course as well as for the audio-tutorial program. Additionally, she was in charge of purchasing, maintaining supplies and equipment, and preparing laboratory materials for most of the departmental courses. Lucrecia authored many of the laboratory procedures, study guides, and lesson manuscripts for the audio-tutorial and conventional courses. During the summers, she studied at the University of Arizona where she earned a M. Ed. Degree with concentration in Biology. In her first year at Wisconsin State University, the department, having been much impressed with her professional approach and the quality of her work, voted to advance her to tenure track, and four years later she was awarded tenure in the department.

She moved to Columbia, SC and taught biology in Flora High School and Keenan High School and later joined the faculty of the Biology Department at the University of South Carolina to teach in the newly established audio-tutorial course directed to major and non-major students. She served as the associate director of that program and authored several of the study guides, lesson manuscripts, and laboratory investigations. She also coordinated the laboratory offering for the traditionally taught introductory biology course for majors.

Lucrecia then took a position in the biology department of Spring Valley High School primarily to teach the Advanced Placement Biology Course. Her experience at two universities figured largely in her being hired for this position. Her teaching program was, however, quite varied. In addition to Advance Placement Biology, she taught honors biology and second year biology. She also served as chair of the Biology Department for eighteen years. Lucrecia remained at Spring Valley High School for most of her career and engaged in professional activity beyond her duties at that institution. She was a member of several professional organizations to include the South Carolina Academy of Science, the South Carolina Junior Academy of Science, South Carolina Science Council, South Carolina Science Teachers Association, South Carolina Environmental Education Association (served on the Council), National Association of Biology Teachers, South Carolina Biology Teachers Association (served as Secretary), Southern Appalachian Botanical Society, Society of Herbarium Curators, and from 1972 to the present, the Association of Southeastern Biologists. Her participation in professional matters, some in connection with these organizations are listed as follows:

Elected to the Council of the South Carolina Academy of Science. Served on the South Carolina Academy of Science Committee for selecting awardees in the High School Student Research Grants Program.

Served on several textbook selection committees for the South Carolina State Department of Education.

Authored the document for Spring Valley High School's application for reaccreditation by the Southern Association of Colleges and Schools. This document served as the model for other schools in Columbia-School District 2.

Appointed to the Advance Placement Biology Advisory Committee, and as a master teacher, gave seminars on the AP Biology Program throughout the Southeastern United States. Worked as a consultant for the AP Advisory Committee of the Commission on Higher Education and the Southern Regional Office of The College Board.

Served as an invited Reader for the AP Examination in biology with the Educational Testing Service for several years and then as a Table Leader (administrative) until retirement.

Appointed by the South Carolina State Department of Education to serve on the South Carolina Committee for the Development of Student Competencies in Biology (grades 9-12 through the college freshman year).

Organized secondary school science fairs and sponsored students for NSF summer programs for high school students.

Participated in a symposium, "Improving Biological Literacy for the 21<sup>st</sup> Century" at the April Annual Meeting of the Association of Southeastern Biologists. Her topic was, "The Crisis in Science Education and the Realities of Science Teaching in the Classroom".

Presented a paper entitled, "The Philosophy of the Audio-tutorial Approach to Teaching" to the Association for Educational Communications and Technology National Convention. Other publications include a student study guide and teacher preparation manual for Audio-tutorial Systems Biology (college level). Presented a paper entitled, "Slime Molds: An Investigative Approach to Picking a Research Topic" to teachers at the South Carolina Junior Academy of Science Workshop, "Science Expo".

Named Outstanding Teacher in Secondary School Science and Mathematics by the South Carolina Academy of Science and Outstanding Teacher at Spring Valley High School. Awarded the South Carolina Biology Teacher of the Year. Lucrecia was selected as a Distinguished Teacher by the White House Commission on Presidential Scholars. She, along with one of her special students, was invited to visit the President at the White House. Selected from the 2nd congressional district to receive the 1992 Governor's School Teacher Recognition Award.

Designated by the South Carolina State Legislature to serve on the South Carolina Educator Improvement Task Force sponsored by Clemson University and the State Department of Education. She served as one of 18 South Carolina educators in the development, validation, and field coordination of the APT (Assessment of Performance in Teaching) instrument.

Lucrecia and her students were invited by the University of South Carolina to participate in the North Inlet NSF Outwelling Study at Hobcaw Barony, Georgetown, SC. The group carried out 3 synoptic marine samplings.

While at Spring Valley High School, she taught a summer course entitled, "Methods in Teaching Marine Science for Secondary Science Teachers" at the University of South Carolina.

Authored questions for the National Teacher Examination in Biology and in General Science and served as a reviewer of the subcategories and scoring scheme for the examination. The Educator Improvement Act mandated the development of a score reporting system.



Lucrecia Herr (center) receives the 2011 ASB Lucrecia Herr Outstanding Biology Teacher Award from ASB Enrichment Fund Chair Michael Dennis (left) and ASB President Patricia Cox.

#### 2011 RESEARCH AWARD RECIPIENTS

#### ASB SENIOR RESEARCH AWARD

The ASB Senior Research Award sponsored by ASB Patron Member Marilyn Pendley, Hudson, North Carolina, was presented by award committee chair C. Ross Hinkle to **Ashley B. Morris**, Department of Biology, University of South Alabama, Mobile (currently at Middle Tennessee State University, Murfreesboro), for her manuscript coauthored with Catherine H. Graham, Department of Ecology and Evolution, Stony Brook University, Stony Brook, New York, Douglas E. Soltis, Department of Biology, University of Florida, and Pamela S. Soltis, Florida Museum of Natural History, University of Florida, Gainesville, entitled "Reassessment of Phylogeographical Structure in an Eastern North American Tree Using Monmonier's Algorithm and Ecological Niche Modelling." The manuscript was published in 2010 in the *Journal of Biogeography*, Vol. 37, pages 1657-1667. Her paper presentation at the annual meeting was coauthored with Catherine H. Graham, Douglas E. Soltis, and Pamela S. Soltis was entitled "Everything but the Kitchen Sink: New Phylogeographic Analyses in *Fagus grandifolia*," *SE Biology* Abstract 02.8, 57(3), page 255.

Dr. Hinkle submitted the following biography of Dr. Morris to the Journal Editor.

Ashley B. Morris is currently an Assistant Professor in the Department of Biology at Middle Tennessee State University, Murfreesboro. Her research interests include population genetics, phylogeography, and molecular systematics of forested communities. Projects in her lab are primarily focused on tree species, but work is also underway on pitcher plants, seagrass, turtles, and dolphins. She currently has funding from the National Science Foundation, the Institute for Marine Mammal Studies, BP through Dauphin Island Sea Lab, and the US Fish and Wildlife Service. Ashley received her Ph.D. in 2006 from the now defunct Department of Botany at the University of Florida in Gainesville. She worked with Pam and Doug Soltis on phylogeography of eastern North American trees (Fagus and Liquidambar) and on molecular systematics of the basal angiosperm Illicium. She received her M.S. in 2000 from the also now defunct Department of Botany at the University of Tennessee in Knoxville. She worked with Mitch Cruzan on population genetics of the high elevation beech gaps of the Great Smoky Mountains and on seed bank genetics of the cedar glade endemic legume, Pyne's ground plum. She received her B.S. in 1997 from the University of the South, Sewanee, TN, where she worked with Jon Evans on the reproductive and clonal ecology of large-leaf pennywort. Ashley has served as a reviewer for several peer-reviewed journals, including the American Journal of Botany, Botanical Journal of the Linnean Society, Conservation Biology, Conservation Genetics, Evolution, Genetica, Journal of Biogeography, Journal of Tropical Forest Science, Molecular Ecology, Molecular Phylogenetics and Evolution, and Systematic Botany. She is currently serving as an ASB Executive Committee Member-at-Large, and she is the web editor for the ASB website.



Ashley B. Morris (left) receives the ASB Senior Research Award from award committee chair C. Ross Hinkle.

### **ASB STUDENT RESEARCH AWARD**

The ASB Student Research Award sponsored by ASB Patron Member Martin Microscope Company, Easley, South Carolina, was presented by award committee chair William Ensign to **Alex T. Fotis**, Department of Biology, University of Louisiana, Monroe, Louisiana, for his paper coauthored with Joydeep Bhattacharjee, entitled "Living on the edge: Trees promoting optimal conditions for woody seedling performance," *SE Biology* Abstract 58/3, page 293.



Alex T. Fotis (left) receives the ASB Student Research Award from award committee chair William Ensign.

# BROOKS/COLE CENGAGE LEARNING STUDENT RESEARCH AWARD IN AQUATIC BIOLOGY

The Brooks/Cole Cengage Learning Student Research Award in Aquatic Biology sponsored by ASB Patron Member Cengage Learning—Brooks/Cole Publishing Company, Belmont, California, was also presented by award committee chair William Ensign to **Evan A. Eskew**, Department of Biology, Davidson College, Davidson, North Carolina, for his paper coauthored with Steven J. Price and Michael E. Dorcas, entitled "Effects of flow regulation on Anuron occupancy and abundance in riparian zones," *SE Biology* Abstract 58/3, page 282.



Evan A. Eskew (left) receives the Brooks/Cole Cengage Learning Student Research Award in Aquatic Biology from award committee chair William Ensign.

#### ASB RESEARCH AWARD IN MICROBIOLOGY

No award was made this year.

#### **ASB STUDENT POSTER AWARD**

The ASB Student Poster Award sponsored by ASB Patron Member Cengage Learning—Brooks/Cole Publishing Company, Belmont, California, was presented by award committee chair Roland P. Roberts to **George E. Campbell**, Department of Biological and Environmental Sciences, University of Tennessee at Chattanooga, for his poster coauthored with Margaret J. Kovach, entitled "Investigating CpG island methylation, microsatellite polymorphisms, and gene expression in colon cancer," *SE Biology* Abstract 58/3, page 367.



George E. Campbell (center) receives the ASB Student Poster Award from award committee chair Roland P. Roberts (left). Pictured with the awardee is poster coauthor Margaret J. Kovach.

### THE NORTH CAROLINA BOTANICAL GARDEN AWARD

The North Carolina Botanical Garden Award sponsored by the NCBG, Chapel Hill, North Carolina, was presented by award committee chair Johnny Randall to **Dorah Newell**, Department of Biology, University of South Alabama, Mobile, Alabama, for her paper coauthored with Ashley B. Morris, entitled "Clonal structure in *Illicium parviflorum* as detected by ISSR markers," *SE Biology* Abstract 58/3, page 268.

#### **EUGENE P. ODUM AWARD**

The Eugene P. Odum Award sponsored by the Southeastern Chapter of the Ecological Society of America was presented by award committee chair Dean Cocking to **Alex T. Fotis**, Department of Biology, University of Louisiana, Monroe, Louisiana, for his paper coauthored with Joydeep Bhattacharjee, entitled "Living on the edge: Trees promoting optimal conditions for woody seedling performance," *SE Biology* Abstract 58/3, page 293.

The committee awarded two honorable mentions. The first one was awarded to **Evan A. Eskew**, Department of Biology, Davidson College, Davidson, North Carolina, for his paper coauthored with Steven J. Price and Michael E. Dorcas, entitled "Effects of flow regulation on Anuron occupancy and abundance in riparian zones," *SE Biology* Abstract 58/3, page 282. The second one was awarded to **Lindsay Brotherton**, Department of Biology, North Georgia College and State University, Dahlonega, Georgia, for her paper coauthored with Adam McGhee, Karrie A. Fadroski, and Thomas A. Nelson, entitled "The value of small forest openings to foraging bats," *SE Biology* Abstract, 58/3, page 288.



Alex T. Fotis (left) receives the Eugene P. Odum Award from award committee chair Dean Cocking.

#### ELSIE QUARTERMAN-CATHERINE KEEVER AWARD

The Elsie Quarterman-Catherine Keever Award sponsored by the Southeastern Chapter of the Ecological Society of America was presented by award committee chair James O. Luken to **Kathryn E. Becker**, Department of Biology, University of Central Florida, Orlando, Florida, for her poster entitled "Effects of Florida flatwoods ecosystem restoration and management on carbon stock," *SE Biology* Abstract 58/3, page 354.



Kathryn E. Becker (left) receives the Elsie Quarterman-Catherine Keever Award from award committee chair James O. Luken.

# BOTANICAL SOCIETY OF AMERICA SOUTHEASTERN SECTION STUDENT AWARD

The award committee chair, Lytton John Musselman, reported that the award committee for the award, sponsored by the Southeastern Section of the Botanical Society of America, made no awards this year.

#### THE UNIVERSITY OF SOUTH CAROLINA HERBARIUM AWARD

The award committee chair, John Nelson, reported that the award committee for the award, sponsored by the A. C. Moore Herbarium at USC, made no award this year.

### **ASB GRADUATE STUDENT TRAVEL AWARDS**

The following graduate students received travel awards from ASB to attend the annual meeting in Huntsville. Selections were made by the ASB Graduate Student Support Award Committee members Edgar Lickey (Chair), Richard Carter, and Michael Gangloff.

Aala Abulfaraj – Troy University, Troy, Alabama
Barbara Biebinger – Troy University, Troy, Alabama
Lisa Brown – University of Louisiana, Monroe
Jeremy Browning – Troy University, Troy, Alabama
Indrani Dey – Troy University, Troy, Alabama
Meghan O'Boyle – University of Louisiana, Monroe
Matthew Reid – University of Louisiana, Monroe
Nora Smith – University of Louisiana, Monroe
Julia Stutzman – James Madison University, Harrisonburg, Virginia
Liang Yu – Old Dominion University, Norfolk, Virginia

### SOUTHERN APPALACHIAN BOTANICAL SOCIETY AWARDS Presented at its annual breakfast meeting on April 15, 2011

#### **Student Presentation Awards**

This was the first year of the competition for best student paper presentation and best student poster. Each received a check for \$150.00

- Paper Presentation Emily R. Blyveis, Department of Biological and Environmental Sciences, University of Tennessee, Chattanooga, Tennessee, for her paper coauthored with Joey Shaw, entitled "The vascular flora of the Tennessee River Gorge, Hamilton and Marion counties, Tennessee," SE Biology Abstract 58/3, page 274.
- 2. Poster Presentation **Margot A. Wallston**, Department of Biology, University of North Carolina, Asheville, North Carolina, for her poster coauthored with C. R. Rossell, Jr. and H. D. Clarke, entitled "Habitat attributes of Virginia spiraea (*Spiraea virginiana* Britton) along the Cheoah River, North Carolina," *SE Biology* Abstract 58/3, page 346.



Emily R. Blyveis (left), winner of the Student Paper Presentation Award, is congratulated by SABS President-Elect Wendy Zomlefer.

#### **Earl Core Student Research Award**

Dr. Earl Core was a major force in the founding of the Southern Appalachian Botanical Club in 1936. The annual Core Student Award was established by the society to provide financial assistance in support of student research projects in plant taxonomy, systematics, and ecology. Five monetary awards were presented this year to assist the following students with their research projects. Each student received a stipend.

- Emily R. Blyveis, Department of Biological and Environmental Sciences, University of Tennessee, Chattanooga - \$300.00. "The Vascular Flora of the Tennessee River Gorge, Hamilton and Marion Counties, Tennessee." Research Advisor: Joey Shaw.
- David Walker, Department of Biology, Virginia Polytechnical Institute and State University, Blacksburg - \$250.00. "Radial Growth Response of Eastern Hemlock to Infestation of Hemlock Wooly Adelgid." Research Advisor: Carolyn A. Copenheaver.
- 3. **Nathan A. Daniel**, Department of Botany, Ohio University, Athens \$250.00. "American Chestnut Restoration in Eastern Hemlock-dominated Forests of Southeast Ohio." Research Advisor: Brian McCarthy.

 Kileigh Browning, Elon University, Elon College, North Carolina – \$100.00. "Ecological Interactions Between Two Non-native Disturbances in the Highelevation Beech Forests of Great Smoky Mountains National Park." Research Advisor: David Vandermast.

5. **Joseph Moosbrugger**, Department of Botany, Ohio University, Athens - \$100.00. "An Annotated Flora of Crane Hollow Preserve, Hocking County, Ohio." Research Advisor: Brian McCarthy.



Emily R. Blyveis (center) and Joseph C. Moosbrugger (right), two of the winners of the Earl Core Student Research Award, are congratulated by SABS President Lytton Musselman.

#### **Richard and Minnie Windler Award**

The Richard and Minnie Windler Award was established in 1990 at the annual meeting of SABS by Dr. Donald R. Windler of Towson University as a memorial to his parents. The award is presented annually to the author or authors of the best systematic botany paper published in *Castanea* during the previous year. The eligible papers may fall into the broad area of plant systematics, including floristic, experimental, revisionary, and nomenclatural studies.

This award was not presented at the breakfast meeting, but was determined later. The awardee is **Dwayne Estes**, Department of Biology, Austin Peay State University, Clarksville, Tennessee, for his paper "Viburnum bracteatum (Adoraceae) expanded to include Viburnum ozarkense." The paper was published in Castanea 75(2): 277-293 (2010). He has received a check for \$500.00. An article will appear in the September issue of Castanea with details of the award.

#### Elizabeth Ann Bartholomew Award

The society annually presents the award in memory of Elizabeth Ann Bartholomew's untiring service to the public, to plant systematics, and to the organization. The award is presented to individuals who have also distinguished themselves in professional and public service that advances our knowledge and appreciation of the world of plants and their scientific, cultural, and aesthetic values, or exceptional service to the society. The awardee this year is **Charles N. Horn**, Biology Department, Newberry College, Newberry, South Carolina, and Treasurer of SABS. An article will appear in the September issue of *Castanea* with details of his service and award.



Charles N. Horn (right) winner of the Elizabeth Ann Bartholomew Award, is congratulated by SABS President Lytton Musselman.

# SOCIETY OF WETLAND SCIENTISTS SOUTH ATLANTIC CHAPTER STUDENT TRAVEL AWARDS

Chapter Secretary/Treasurer William H. Conner reported that **Alex Fotis** and **Lisa Brown** were the recipients of student travel awards to the annual ASB meeting from the South Atlantic Chapter of the Society of Wetland Scientists. Award recipients must be currently enrolled students, conduct research pertaining to wetland science, and present their research at the ASB annual meeting. Each student was presented with a check for \$100 at the chapter luncheon on Thursday, April 14, 2011.

 Alex T. Fotis, Department of Biology, University of Louisiana, Monroe, for his paper coauthored with Joydeep Bhattacharjee, entitled "Living on the edge: Trees promoting optimal conditions for woody seedling performance," SE Biology Abstract 58/3, page 293.



Alex T. Fotis (right) receives a SWS-SA Chapter Student Travel Award from Jamie Duberstein.

2. **Lisa D. Brown**, Department of Biology, University of Louisiana, Monroe, for her poster coauthored with John L. Carr, entitled "Herpetofaunal survey of Upper Ouachita National Wildlife Refuge in northern Louisiana," *SE Biology* Abstract 58/3, page 375.



Lisa D. Brown (right) receives a SWS-SA Chapter Student Travel Award from Jamie Duberstein.

# BETA BETA BIOLOGICAL SOCIETY SOUTHEASTERN REGION OUTSTANDING PAPER AND POSTER AWARDS FOR 2011

At the 54<sup>th</sup> Tri-Beta Annual Meeting held with the 72<sup>nd</sup> ASB meeting, Steven Coggin, Southeastern Region District I Director, and Christi Magrath, Southeastern Region District II Director, presented the following awards.

### Southeastern District I Paper Session Frank J. Brooks Paper Award Winner

**Sara LaChance**, Sigma Phi, Biology Department, Guilford College, Greensboro, North Carolina. "Identifying Dachshund's Role in Hedgehog Signaling and Urchin Development." *SE Biology* Abstract 58(3) page 417.



SE District I Brooks Paper Award. From left to right: Sara LaChance, 1<sup>st</sup> place winner; Jessica Klaphhaak, 2<sup>nd</sup>; Christina Tran and Trenton Agrelius, 3<sup>rd</sup>; and Dezirea Jones, H.M.

### Southeastern District II Paper Session Frank J. Brooks Paper Award Winner

**Amanda M. Sheehy** and **Terry D. Richardson**, Beta Zeta, Biology Department, University of North Alabama, Florence, Alabama. "Monitoring Freshwater Snail Populations with Digital Photography." *SE Biology* Abstract 58(3) page 420.



SE District II Brooks Paper Award. From left to right: Amanda Sheehey, 1<sup>st</sup> place winner; M. I. Seal, H.M.; Virginia Shelley, 2<sup>nd</sup>; and Megan Samuels, 3<sup>rd</sup>.

### Southeastern Districts I and II Paper Session Frank J. Brooks Paper Award Winner

**Kelly Rooker** and **Lora Harris**, Nu Upsilon, Biology Department, Bridgewater College, Bridgewater, Virginia and Center for Environmental Science, University of Maryland, College Park, Maryland. "The Modeling and Evaluation of Wild Rice *Zizania aquatic* Particle Capture at Jug Bay, Maryland." *SE Biology* Abstract 58(3) page 422.



SE Districts I and II Brooks Paper Award. From right to left: Kelly Rooker, 1<sup>st</sup> place winner; Stephanie Hayes, 2<sup>nd</sup>; Patricia Ziegler, 3<sup>rd</sup>; and S. Flake, H.M.

### Southeastern District I Poster Session John C. Johnson Poster Award Winner

**Nylvia Ware**, Mu Omicron, Biology Department, Columbus State University, Columbus, Georgia. "Antiviral Effects of Lactoferrin at Different States of Herpes Simplex Virus Type 1 Infection of Vero Cells." *SE Biology* Abstract 58(3) page 425.



SE District I Johnson Poster Award. From right to left: Nylvia Ware, 1<sup>st</sup> place winner; Amanda Huangs, 3<sup>rd</sup>; and Zachary Bloom and Mary Gadalla, H.M.

### Southeastern District II Poster Session John C. Johnson Poster Award Winner

**Jennifer E. Kelly**, Mu Phi, Biology Department, Jacksonville State University, Jacksonville, Alabama. "Probiotics in Aquaculture: Evaluating *Eubacterium cellulosolvens* 5494." *SE Biology* Abstract 58(3) page 437.



SE District II Johnson Poster Award. From left to right: Jennifer Kelly,  $\mathbf{1}^{\text{st}}$  place winner; and Samantha Kaiser,  $\mathbf{3}^{\text{rd}}$ .

# ASB PLENARY SESSION WEDNESDAY, APRIL 13, 2011

The Plenary Session was opened by ASB President Dr. Patricia B. Cox at 7:30 p.m. C.D.T. The audience was welcomed to the University of Alabama at Huntsville by Dr. Vistasp Karbhari, Provost and Executive Vice President for Academic Affairs, and by Dr. Debra M. Moriarity, Chair Department of Biological Sciences.

After Dr. W. Michael Dennis, Chair of the ASB Enrichment Fund, gave a presentation on the purpose and objectives of the ASB Enrichment Fund, ASB President-Elect, Dr. Donald H. Roush, introduced the featured plenary speaker Dr. Gary E. Machlis, Canon Professor of Conservation, Department of Cooperative Ecosystem Studies Units Network, University of Idaho, Moscow, and Science Advisor to the Director, National Park Service, Washington, DC. The title of his talk was

Scenario-Building during the Deepwater Horizon Oil Spill



Dr. Vistasp Karbhari



Dr. Debra M. Moriarity



Dr. W. Michael Dennis



Dr. Donald H. Roush



Dr. Gary E. Machlis

### Wednesday Night Welcome Reception





### ASB Past President's Breakfast





### **Exhibitors at the Annual Meeting**





### **Exhibitors at the Annual Meeting**





### Thursday Workshops



Associated Microscope



Bio-Rad Laboratories

### **Committee for Human Diversity Luncheon**



**Dr. Melissa McDaniels**Guest Speaker
Michigan State University

"Mentoring for Inclusive Excellence in the 21<sup>st</sup> Century Scientific Workforce"



Audience

### **SWS THURSDAY LUNCHEON**





### **ASB Thursday Paper Sessions**

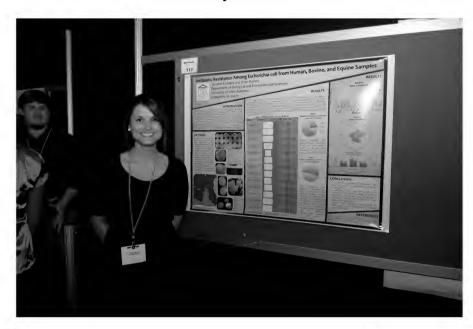


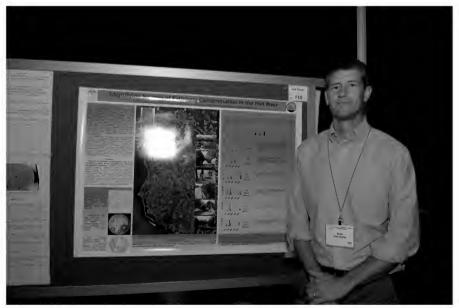






### **ASB Thursday Poster Sessions**





# Thursday Night Social at the Annual Meeting





# Thursday Night Social at the Annual Meeting





#### ASB PATRONS AND EXHIBITORS BREAKFAST



Left to right: Vice President Jennifer Davis, President-Elect Donald Roush, and Meetings Coordinator Scott Jewell thank Patrons and Exhibitors.



Patrons and Exhibitors



# SABS 75<sup>th</sup> ANNIVERSARY CELEBRATION GROUP PHOTOGRAPHS OF ATTENDEES





# SABS 75<sup>th</sup> ANNIVERSARY CELEBRATION SPECIAL RECOGNITIONS AND REMARKS









Michael Baranski



John Herr



William Martin



Dan Pittillo

### SABS 75<sup>th</sup> ANNIVERSARY CELEBRATION



#### **SYMPOSIUM**

"A THREAD OF THE PAST, THE PRESENT, AND FUTURE BOTANICAL RESEARCH"

Joe Winstead, Moderator and Introductory Remarks

### Symposium Speakers



Alan Weakley



Zack Murrell



Karen Renzaglia



Allen Risk



**Thomas Wentworth** 



Michael Held

# ASB Friday Paper Sessions

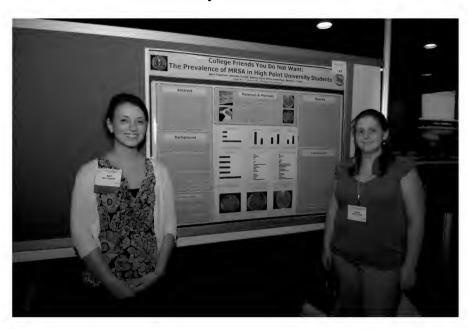


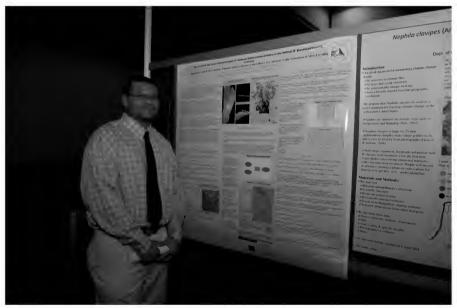






## **ASB Friday Poster Sessions**





# Beta Beta Beta Friday Paper Sessions

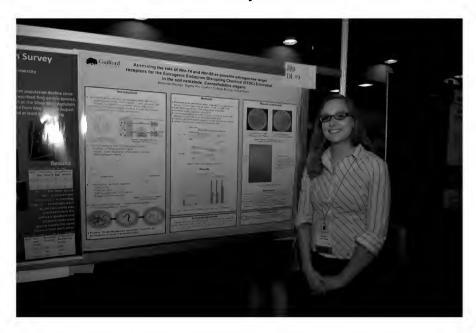


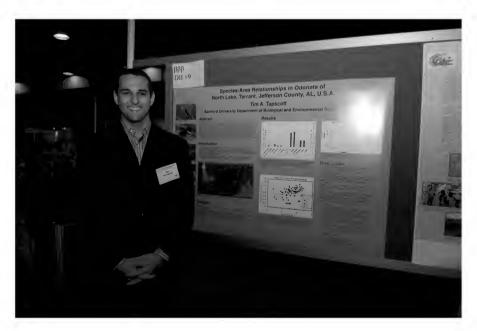






## Beta Beta Friday Poster Sessions





# ECOLOGICAL SOCIETY OF AMERICA SOUTHEASTERN CHAPTER LUNCHEON





#### **ASB Education Committee Luncheon and Workshop**



### **Society of Herbarium Curators Meeting**



The Journal Editor wishes to thank the photographer, Megan Kellog, for the excellent pictures.

#### ASB Executive Committee Members at the Annual Meeting in Huntsville, Alabama



Back row standing from left to right: Joey Shaw, Roland Roberts, Tim Atkinson, James Caponetti,
John Herr, Scott Jewell, and Conley McMullen.

Front row seated from left to right: Patricia Cox, Donald Roush, Ashley Morris, and Zack Murrell.

# RESOLUTION OF APPRECIATION TO UNIVERSITY OF ALABAMA AT HUNTSVILLE AND THE ORGANIZERS OF THE 72<sup>ND</sup> ANNUAL MEETING OF THE ASSOCIATION OF SOUTHEASTERN BIOLOGISTS

**WHEREAS**, University of Alabama at Huntsville did agree to make local arrangements for the Association of Southeastern Biologists to hold its 72<sup>nd</sup> Annual Meeting on 13 April through 16 April, 2011, in Huntsville Alabama; and

WHEREAS, Local Arrangement Chair Debra Moriarity of the University of Alabama at Huntsville did an outstanding job of orchestrating the events and activities under the most trying of circumstances; and

WHEREAS, Joey Shaw of the University of Tennessee at Chattanooga and George Cline of Jacksonville State University for planning field trips, Nicole Welch of Mississippi University for Women and Howie Neufeld for assembling the program, Brian Toone of Samford University for assisting in the submission of Abstracts, Steve Coggin of Catawba College for coordinating the activities of Beta Beta Beta, Tim Atkinson of Carolina Biological Supply Company for assisting with membership and registration, Ashley Morris of University of South Alabama for her excellent work on the new ASB Web Page, Marilyn Pendley for organizing the volunteers, and Scott Jewell, A2Z Convention Services, for handling the annual meeting budget, commercial exhibits and workshops, silent auction, special sessions, advertising, on-line registration, on-site registration, hotel accommodations, and transportation; and

WHEREAS, the affiliate societies, American Society of Ichthyologists and Herpetologists, Southeastern Division, TriBeta Southeastern District I, TriBeta Southeastern District II, Southeastern Section of the Botanical Society of America, Southeastern Chapter of the Ecological Society of America, Society of Herbarium Curators, South Atlantic Chapter of the Society of Wetland Scientists, Southern Appalachian Botanical Society, Southeastern Society of Parasitologists, Southeastern Fishes Council, Southeastern Microscopy Society, and National Association of Biology Teachers were in attendance and contributed to paper and poster sessions, workshops, and symposia; and

**WHEREAS**, the citizenry of Huntsville, Alabama cooperated to welcome the Association of Southeastern Biologists to the City of Huntsville, Alabama; and

**WHEREAS**, the students of University of Alabama at Huntsville volunteered to assist with the production of the 72<sup>nd</sup> Annual Meeting; therefore, be it

RESOLVED, that the members of the Executive Committee of the Association of Southeastern Biologists give their sincere thanks and appreciation to all involved in making this an excellent and memorable Annual Meeting that resulted from the cumulative efforts of these individuals and organizations.

#### ASSOCIATION OF SOUTHEASTERN BIOLOGISTS 2011 TREASURER'S REPORT FY 1 JANUARY-31 DECEMBER 2010

I.	BEGINNING BALANCE			\$57,773			
II.	RECEIPTS Southeastern Biology Receipts Membership Dues Enrichment Fund Receipts Contributions ASB Annual Meeting Receipts Registration Exhibits	\$24,461 \$10,325 \$169,669 \$15,815	\$24,461 \$10,325 \$185,484	\$220,270			
III.	TOTAL RECEIPTS & BEGINNING	BALANCE		\$278,043			
IV.	DISBURSEMENTS Southeastern Biology Expenses Publication SE Biology 57(1) \$(4,571) SE Biology 57(2) \$(4,993) SE Biology 57(3) \$(7,647) SE Biology 57(4) \$(4,850) Office Expenses  ASB Annual Meeting Expenses Registration Meeting A2Z Convention Services EC Interim Meeting	\$(22,061) \$(1,018) \$(28,137) \$(182,040) \$(14,400) \$(2,217)	\$(23,079) \$(226,794)	\$(249,873)			
V.	ENDING BALANCE			\$28,170			
VI.	NET DECREASE			\$(29,603)			
	ASB ENRICHMENT FUND 1 JANUARY – 31 DECEMBER 2010						
I. II.	BEGINNING BALANCE RECEIPTS 1. Contributions TOTAL RECEIPTS		\$10,325	\$49,188 \$10,325			
III. IV. V. VI.	TOTAL RECEIPTS AND BEGINNI DISBURSEMENTS  1. Supplement to cover meeting ex TOTAL DISBURSEMENTS ENDING BALANCE NET DECREASE			\$59,513 \$(31,343) \$28,170 \$(21,018)			

# ASSOCIATION OF SOUTHEASTERN BIOLOGISTS EXECUTIVE COMMITTEE MEETING WEDNESDAY 13 APRIL 2011 Huntsville, AL Committee Report

#### MEMBERSHIP OFFICER'S REPORT

Tim Atkinson (ASB Treasurer), Scott Jewell, and I, Terry Richardson, (ASB Membership Officer) are working on a tool for use by the Treasurer and Membership Officer to perform more efficient and effective electronic communication, recruitment, and surveys.

When in place, this will enable us to do e-mail marketing that is customized, personalized, and targeted. We can send newsletters, promotions, announcements, and marketing emails. This will allow us to **Decrease Cost (& Go Green)** by means of

- Less printing (eliminates paper waste)
- Reduced postage (decreases fuel use)
- Minimized labor & data entry (for the Treasurer & Membership Officer!!!)

#### We will have the ability to do

- · Automated, scheduled follow-ups, reminders, and confirmations
- Questionnaires pre, post, and regret
- · Secure online fee collection
- Simple report generation
- Instant reporting both standard and custom

#### All of this should contribute to

- Increased membership
- Increased meeting attendance & participation
- Increased communication
- Increased responsiveness to member needs

#### All of which drives

#### INCREASED REVENUE

We are deeply grateful to the ASB Meeting Coordinator, Scott Jewell, for initiating and leading the development of this new asset.

#### **Deceased Members**

Mark Brinson Dave Orvos

#### **Request for Emeritus Status**

Ken Dodd Floyd Scott
Frances M. Garner Clete Sellers
Jarvis Hudson Ralph L. Thompson

#### **Current Membership**

	Apr 05	Mar 06	Mar 07	Apr 08	Mar 09	Mar10	Apr 11
Complimentary	20	20	27	10	10	8	?
Contributing	11	11	8	8	6	3	?
Emeritus	65	73	74	65	65	62	46
Exhibitor	?	?	35	48	58	36**	77
Family	33	32	36	27	22	??(22)	
Library	56	56	52	49	49	45 <sup>*</sup>	42
Life	11	25	38	45	56	67	76
Patron	7	7	7	7	9	5	4
(Life & Patron)	2	2	2	2	2	3	3
Regular	787	892	821	711	672	669 <sup>*</sup>	419
Student	308	517	559	403	303	337	190
Sustaining	4	2	2	2	0	0	?
TOTAL	1302	1635	1659	1375	1252	1257	857

#### Respectfully submitted,

ery D. Kicknown

Terry Richardson, ASB Membership Officer

# THE ASSOCIATION OF SOUTHEASTERN BIOLOGISTS PAST PRESIDENT'S ADDRESS

by Patricia B. Cox, Ph.D.

In trying to decide on a topic to write about for my Past-President's address, I was torn between a number of subjects that are of great interest to me: Invasive Plants, Threatened and Endangered Species, or Ferns. Instead I want to share with you my experiences as an ASB member for the past 25 years.

I was fortunate to be in a Ph.D. Botany program at Louisiana State University (LSU) that encouraged attendance to regional and national meetings. My very first introduction to ASB was at the 50th Anniversary Celebration at University of Georgia in Athens in 1987. This year marks ASB's 75th Anniversary and once again, The University of Georgia will be hosting our annual meeting. Over the past 25 years, I have missed only ONE meeting (Towson University, 1990) and it was right after I graduated and moved to Tennessee. Over the years, I have made lifelong friendships and interacted with biologists of all disciplines. One of the unique aspects of ASB meetings that sets it apart from other society meetings is the diversity of membership. We are comprised of a hodgepodge of biologists which include Botanists, Cell Biologists, Ecologists, Herpetologists, Ichthyologists, Mammologists, Microbiologists, Parasitologists, Physiologists, Zoologists, and host of other -ologists that I'm sure I left out, as well as a large contingent of Tri-Beta students who are the future of Biological Sciences.

What do I remember from that first ASB meeting 25 years ago? First let me clarify that I wasn't a typical graduate student of the 1980's. I had guit school, got married, moved out west, became a mom then returned to LSU a number of years later to finish my degree-so I wasn't young and naive. With that said, I can tell you, that when I met Al Radford (one of the authors of the Flora of the Carolinas), it was like meeting Elvis. I don't even remember if I was able to even say anything. I do remember meeting Jerry and Carol Baskin and sitting with them during the Friday night banquet. Just during that brief encounter, I learned so much about cedar glades. During my first conference, I tagged along to the herbarium curator's meeting and met Eugene Wofford, Loren Anderson, Nancy Coile, Jim Mathews, and Robert Haynes. All of these individuals provided me with either guidance or information while I was a student and encouraged me to become involved in ASB and SABS (Southern Appalachian Botanical Society). It was at the Thursday night Social that I first met Dr. John Herr (now one of my most valued friends). When he found out I was from LSU, he asked about Dr. Shirley Tucker, a fellow plant anatomist, and John and I talked about techniques for sectioning plant materials and he gave me a reference (he had written) on how to stain megagametophytes, since I was interested in polyploidy in Rudbeckia. The next time I saw Dr. Herr was at the national AIBS meeting in Columbus, OH and I was so honored that he remembered not only me, but he remembered my name and asked me if I had success using his protocols. During my tenure at UTK as the Biology Lab Coordinator. I often communicated with John on different methods for preservation, staining, and sectioning of material

for freshman students....the man is a wealth of information. ASB made this relationship possible.

Maybe my experience with ASB is unique, but I doubt it. I have not sat on the sidelines and watched—I have been an active participant, first by presenting talks on my research while in graduate school and secondly by taking the time to meet and talk to people I didn't know (other students as well as professors). One of my fellow graduate students (Dr. Elizabeth Harris) insisted that during banquets we sit with the "botanical elite" we wanted to meet, not with folks that we talked with everyday. It is amazing how many noteworthy biologists we sat next to during dinners.

After I got a teaching position at the University of Tennessee, I was glad I had met many of the UT Botany faculty at ASB meetings, and that networking was beneficial to me in making new friends and colleagues. I continued to attend ASB meetings, presented papers, mentored graduate students while they prepared their presentations, and volunteered to help with planning the 1995 ASB meeting in Knoxville. I was then "rewarded" by being nominated to the Executive Committee and served as a Member-at-Large from 1997-1999. I also served on a number of ASB committees: Publications, Meritorious Teachers, Place of Meeting, and Member Benefits. During my time at UTK, I encouraged graduate students to attend and participate in ASB and we had some pretty entertaining road trips that usually centered around collecting plants and seeing new places. After leaving academics in 2003, I continued my involvement with the Society, as the Co-Chair of Local Arrangements for the 2006 Gatlinburg meeting, and then the rest is history as they say. From there, I went on to being elected to the position of Vice President, then the first two-year President of ASB.

I just realized it sounds like I'm writing a resume; that was not my intention. The point I'm trying to make is this: Only YOU can determine what you get out of being a member of ASB or any society for that matter. If you give **Nothing**, you more than likely will get **Nothing** in return. I have no regrets; in fact, I've learned something new at every meeting I have attended and that knowledge usually inspires and rejuvenates the botanist in me. I have a myriad of GOOD memories of ASB meetings past and have made a plethora of good friends to share them with.



After a day in the Baja California Desert and Sierra de Laguna Biosphere Preserve, ASB members, Kim Tolson (Past President), Patricia Cox (Past President), Diane Nelson (Past Vice President), Bonnie Kelley (Past Vice President), Patropic (Past President), and in absentia Eloise Carter (Past President), take a photo opportunity at the marker for the Tropic of Cancer south of Santiago, Mexico.



A view from the trail leading to the lagoon and waterfall at the Sierra de Laguna Biosphere Preserve located near Santiago, Mexico.



ASB meetings brought these women of different biological backgrounds together. On trips we keep lists of organisms we encounter: plants, birds, mammals, herps, fish and invertebrates. Each time, someone adds a new species to their life list. We don't sit around in the sun drinking margaritas all day; each day is a different adventure.

# ASB Southeastern Biology Staff, ASB Officers, and Executive Committee Members-at-Large, 2011-2012

Telephone numbers, Fax numbers and e-mail addresses can be found on the inside front cover of each issue of the *Southeastern Biology*.

Southeastern Biology Staff

Journal Editor James D. Caponetti, Division of Biology, University of

Tennessee, Knoxville, TN

Associate Editor Conley K. McMullen, Department of Biology, James

Madison University, Harrisonburg, VA

Web Editor Ashley B. Morris, Department of Biology, Middle

Tennessee State University, Murfreesboro, TN

Business Manager Tim Atkinson, Carolina Biological Supply Company,

Burlington, NC

News Editor Ricky Fiorillo, Department of Biology, University of

Louisiana at Monroe, Monroe, LA

Book Review Editor Melissa Pilgrim, Department of Biology, University of

South Carolina Upstate, Spartanburg, SC

Book Review Christopher G. Brown, Dept. of Biology, Shorter College, Associate Editors Rome, GA. \*Jennifer Mandel, Dept. of Plant Biology,

University of Georgia, Athens, GA

Meetings Coord. Scott Jewell, P. O. Box 1088, Mebane, NC

**ASB Officers** 

President Donald H. Roush, Department of Biology, University of

North Alabama, Florence, AL

Vice President Zack Murrell, Department of Biology, Appalachian State

University, Boone, NC

Past President Patricia B. Cox. Tennessee Valley Authority, 400 West

Summit Hill Drive, Knoxville, TN

Secretary Conley K. McMullen, Department of Biology, James

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Treasurer Tim Atkinson, Carolina Biological Supply Company,

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Membership Officer Terry D. Richardson, Department of Biology, University

of North Alabama, Florence, AL

Database Manager Deborah Atkinson, School of Public Health, University of

North Carolina, Chapel Hill, NC

Archivist John Herr, Department of Biological Sciences, University

of South Carolina, Columbia, SC

**Executive Committee Members-at-Large** 

2012: George R. Cline, Biology Department, Jacksonville State University, Jacksonville, AL. \*Joey Shaw, Department of Biological and Environmental Sciences, University of Tennessee, Chattanooga, TN.

2013: James T. Costa, Department Biology, Western Carolina University, Cullowhee, NC. \*Ashley B. Morris, Department Biology, University of South Alabama, Mobile, AL.

2014: Irene Kokkala, Center for Teaching and Learning, North Georgia College & State University, Dahlonega, GA. ◆Roland Roberts, Department of Biological Sciences, Towson University, Towson, MD.

#### ASB COMMITTEES 2011-2012

#### Representatives to Other Societies

#### AAAS - American Association for the Advancement of Science

Representative: Tim Atkinson, Carolina Biological Supply Company, 2700 York Road, Burlington, NC 27215; 336-538-6224; Fax 336-538-6322; <a href="mailto:tim.atkinson@carolina.com">tim.atkinson@carolina.com</a>

#### AIBS - American Institute of Biological Sciences

Representative: Stephanie Songer, Department of Biology, North Georgia College and State University, Dahlonega, GA 30597; 706-864-1959; or 706-429-5379; Fax 706-867-2703; <a href="mailto:srsonger@ngcsu.edu">srsonger@ngcsu.edu</a>

#### **NSCA - Natural Science Collections Alliance**

Representative; Alexander Krings, Department of Plant Biology, NC State University, Box 7612, Raleigh, NC 27695-7612; 919-515-2700; Fax 919-515-3436; alexander krings@ncsu.edu

#### **ASB Committees**

#### **Committee for Human Diversity**

- Chair: Heather Griscom, Department of Biology, James Madison University, Harrisonburg, VA 22807; 540-568-566; <a href="mailto:grischop@imu.edu">grischop@imu.edu</a>
- Marilynn Pendley, 1897 Fairway Drive, Newton, NC 28658; 828-612-4573; mpendley@cccti.edu
- Tina Hubler, Department of Biology, University of North Alabama, Florence, AL 35632; 256-765-4761; trhubler@una.edu

#### **Conservation Committee**

- Chair: Peter Van Zandt, Department of Biology, Birmingham Southern College, Birmingham, AL 35254-9002; 205-226-7817; pvanzand@bsc.edu
- Smoot Major, Department of Biology, University of South Alabama, Mobile, AL; 3688; 251-460-6276; <a href="major@usouthal.edu">smajor@usouthal.edu</a>
- **Jeff Ray**, Department of Biology, University of North Alabama, Florence, AL, 35632; 256-765-4933; imray1@una.edu

#### **Education Committee**

- Chair: Zach Felix, Department of Biology, Reinhardt University, 7300 Reinhardt Circle, Waleska, GA, 30183-2981; 770-720-5600; ZIF@reinhardt.edu
- Ashley Morris, Department of Biology, Middle Tennessee State University, Murfreesboro, TN 37132; 615-494-7621; Fax 615-898-5093; amorris@mtsu.edu
- Kirk Stowe, Department of Biology, University of South Carolina, Columbia, SC 29208; 803-77-3379; kstowe@biol.sc.edu
- Chris Havran, Department of Biology, Campbell University, Blue Creek, NC 27506; 910-893-1730; havran@campbell.edu
- Holly L. Boettger-Tong, Division of Natural Sciences and Mathematics, Wesleyan College, Macon, GA 31210; 478-757-5276; <a href="https://doi.org/10.1007/jhbe.ncb.ncg/">hboettger-tong@wesleyancollege.edu</a>
- Stephen C. Richter, Department of Biological Sciences, Eastern Kentucky University, Richmond, KY 40475; 859-622-8688; stephen.richter@eku.edu

#### **Enrichment Fund Board**

Chair: W. Michael Dennis, Breedlove, Dennis and Associates, Inc., 330 W. Canton Avenue, Winter Park, FL 32789; 407-677-1882; Fax 407-657-7008; Toll Free 800-304-1882; mike@bda-inc.com

#### **Finance Committee**

- Chair: Tim Atkinson, Carolina Biological Supply Company, 2700 York Road, Burlington, NC 27215; 336-538-6224; Fax 336-538-6322; tim.atkinson@carolina.com
- EFB Chair: W. Michael Dennis, Breedlove, Dennis and Associates, Inc., 330 W. Canton Avenue, Winter Park, FL 32789; 407-677-1882; Fax 407-657-7008; Toll Free 800-304-1882; mike@bdainc.com
- Vice President: Zack Murrell, Department of Biology, Appalachian State University, Boone, NC 28608; 828-262-2674; murrellze@appstate.edu
- Executive Committee Member: Irene Kokkala, Department of Biology, North Georgia College & State University, Dahlonega, GA 30597; 706-864-1862; ikokkala@ngcsu.edu

#### Graduate Student Support Award Committee – Awards Sponsored by ASB

- Chair: Richard Carter, Department of Biology, Valdosta State University, Valdosta, GA 31698-0015; 229-333-5763; rcarter@valdosta.edu
- **Michael Gangloff**, Department of Biology, Appalachian State University, Boone, NC 28608; 828-262-7790; gangloffmm@appstate.edu

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Lisa Kelly, Department of Biology, PO Box 1510, University of North Carolina – Pembroke, Pembroke, NC 28372; 910-521-6377; lisa.kelly@uncp.edu

#### **Local Arrangement Committee**

- Co-Chair: Nicole Turrill Welch, Department of Sciences and Mathematics, Mississippi University for Women, 1100 College Street, MUW-199, Columbus, MS 39701; 662-329-7234; nwelch@as.muw.edu
- Co-Chair: Howard Neufeld, Department of Biology, Appalachian State University, Boone, NC 28608; 828-262-2683; neufeldhs@appstate.edu
- Michelle Momany, Department of Plant Biology, University of Georgia, Athens, GA 30602; 706-542-1811 or 706-542-2014; Fax 706-542-1805; momany@plantbio.uga.edu
- Ex-Officio Scott Jewell, A2ZConvention Services, PO Box 1088, Mebane, NC 27302; 336-421-0034; Cell 336-213-7373; Toll Free Fax 866-213-2095; a2zconvention@yahoo.com

#### **Membership Benefits Committee**

- Chair: Terry Richardson, Department of Biology, University of north Alabama, Florence, AL 35632; 256-765-4429; Cell 256-443-9165; Fax 256-765-4430; tdrichardson@una.edu
- Scott Jewell, A2ZConvention Services, PO Box 1088, Mebane, NC 27302; 336-421-0034; Cell 336-213-7373; Toll Free Fax 866-213-2095; a2zconvention@vahoo.com
- David Whetstone, Biology Department, Jacksonville State University, 700 Pelham Road, Jacksonville, AL 36265; 256-782-5215; Fax 256-782-5587; whetstone@cableone.net
- Donald Roush, Department of Biology, University of North Alabama, Florence, AL 35632; 256-765-4435; Fax 256-765-4430; <a href="mailto:dhroush@una.edu">dhroush@una.edu</a>

# Meritorious Teaching Award Committee – Award Sponsored by ASB Patron Member Carolina Biological Supply Company

- Chair: Michael J. Baranski, Department of Biology, Catawba College, Salisbury, NC 28144-2488; 704-637-4442; mbaransk@ catawba.edu
- Frank Romano, Biology Department, Jacksonville State University, 700 Pelham Road, Jacksonville, AL 36265; 256-782-5038; fromano@jsu.edu
- R. Wayne Van Devender, Department of Biology, Appalachian State University, Boone, NC 28608; 828-262-6907; <u>vandevenderr@appstate.edu</u>

#### **Nominating Committee**

- Chair: Patricia Cox, TVA Heritage Program, 400 West Summit Hill Drive, WT11C, Knoxville, TN 37902; 865-632-3609; Fax 865-632-4223; pbcox@tva.gov
- W. Michael Dennis, Breedlove, Dennis and Associates, Inc., 330 W. Canton Avenue, Winter Park, FL 32789; 407-677-1882; Fax 407-657-7008; Toll Free 800-304-1882; mike@bda-inc.com
- Patricia Parr, ORNL, PO Box 2008 MS6340, Oak Ridge, TN 37831-6340; 865-576-8123; Fax 865-241-5814; parrpd@ornl.gov

#### Past - President's Council

Chair: Patricia Cox, TVA Heritage Program, 400 West Summit Hill Drive, WT11C, Knoxville, TN 37902; 865-632-3609; Fax 865-632-4223; pbcox@tva.gov

#### **Place of Meeting Committee**

- Chair: Kenneth Marion, Department of Biology, University of Alabama, Birmingham, Birmingham, AL 35294-1170; 205-934-8309; ikmarion@uab.edu
- Patricia Cox, TVA Heritage Program, 400 West Summit Hill Drive, WT11C, Knoxville, TN 37902; 865-632-3609; Fax 865-632-4223; pbcox@tva.gov
- Ex-Officio Scott Jewell, A2ZConvention Services, PO Box 1088, Mebane, NC 27302; 336-421-0034; Cell 336-213-7373; Toll Free Fax 866-213-2095; a2zconvention@vahoo.com

# Poster Awards Committee – Award Sponsored by ASB Patron Member Brooks/Cole Cengage Learning

- Chair: John Delfino, Midway College, 512 E Stephens Street, Midway, KY 40347-1120; 859-846-5813; jdelfino@midway.edu
- Megan Gibbons, Department of Biology, Birmingham Southern College, Birmingham, AL 35254-9022; 205-226-7817; mgibbons@bsc.edu
- Jennifer Boyd, Department of Biological and Environmental Sciences, University of Tennessee, Chattanooga, Chattanooga, TN 37403-2598; 423-425-4341; Jennifer-Boyd@utc.edu
- Sharryse Henderson, Department of Biology, Georgia Highlands College, Cartersville Campus, 5441 Highway 20, NE, Cartersville, GA 30121; 678-872-8112; Fax 678-872-8098; <a href="mailto:sheetastar:she
- Sarah Noble, Department of Natural Sciences, University of Mobile, 5735 College Parkway, Mobile, AL 36613; 251-442-2408; <a href="mailto:snoble@university">snoble@university</a> umobile.edu
- William Ensign, Department of Biology and Physics Kennesaw State University, Kennesaw, GA 30144; 770-499-3505; Fax 770-423-6625; bensign@kennesaw.edu

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Roland Roberts, Biological Sciences, Towson University, 8000 York Road, 341 Smith Hall, Towson, MD 21252-0001; 410-704-3034; rroberts@towson.edu (one yr. appointment)

#### **Publications Committee**

- Chair: Joey Shaw, Department of Biological and Environmental sciences, University of Tennessee Chattanooga, Chattanooga, TN 37403-2598; 423-443-9568; joeyshaw@utc.edu
- Roland Roberts, Biological Sciences, Towson University, 8000 York Road, 341 Smith Hall, Towson, MD 21252-0001; 410-704-3034; rroberts@towson.edu
- James Costa, Department of Biology and Director Highland Biological Center, Western Carolina University, Cullowhee, NC 28723; 828-227-3811 or 828-526-2602; costa@email.wcu.edu
- Ex-Officio Print Editor: Jim Caponetti, Division of Biology, M303 Walters Life Sciences Building, University of Tennessee, Knoxville, TN 37996-0830; 865-974-6841; Fax 865-974-4057; jcaponet@ utk.edu
- Ex-Officio Web Editor: Ashley Morris, Department of Biology, Middle Tennessee State University, Murfreesboro, TN 37132; 615-494-7621; Fax 615-898-5093; amorris@mtsu.edu

# Research Awards Committee – Senior - Award Sponsored by ASB Patron Member Marilyn Pendley

- Chair: Gaven Lawson, Department of Biology, Bridgewater College, Bridgewater, VA 22812: 540-828-8000: glawson@bridgewater.edu
- John Carr, Department of Biology, University of Louisiana –Monroe, Monroe, LA 71209; 318-342-1796; carr@ulm.edu
- **Tom Pauley**, Department of Biology, Marshall University, Huntington, WV 25755; 304-696-2376; pauley@marshall.edu

# Research Awards Committee – Student – Award Sponsored by ASB Patron Members Martin Microscope Company and Brooks/Cole Cengage Learning

- Chair: Andrew Methven, Department of Biology, Eastern Illinois University, Charleston, IL 61920-3009; 217-581-6241; asmethven@eiu.edu
- Mac Alford, Department of Biological Sciences, University of Southern Mississippi, 118 College Drive #5018, Hattiesburg, MS 39406; 601-266-6531; mac.alford@usm.edu
- Cathryn Greenberg, USDA-Forrest Service, Bent Creek Experimental Forrest, Asheville NC 28806; 828-667-5261 Ex 118; kgreenberg@fs.fed.us

#### Research Awards Committee - Microbiology - Award Sponsored by ASB

- Chair: Chris Murdock, Department of Biology, Jacksonville State University, Jacksonville, AL 36265-1602; 256-782-8440; Murdock@jsu.edu
- Michael Land, Northwestern State University, 211 Bienvenu Hall, Sam Sibley Drive, Natchitoches, LA 71497; 318-357-5323; <a href="mailto:land@color:blue.com">land@color:blue.com</a> nsula.edu
- Lisa Ann Blankinship, Department of Biology, University of North Alabama, Florence, AL 35632; 256-765-5044; Fax 256-765-4430; lblankinship@una.edu

#### **Resolution Committee**

- Chair: Patricia Cox, TVA Heritage Program, 400 West Summit Hill Drive, WT11C, Knoxville, TN 37902; 865-632-3609; Fax 865-632-4223; pbcox@tva.gov
- Kim Marie Tolson, Department of Biology, University of Louisiana Monroe, Monroe, LA 71209; 318-342-1805; tolson@ulm.edu
- Bonnie Kelley, Department of Biology, PO Box 1510, University of North Carolina Pembroke, Pembroke, NC 28372; 910-521-6419; bonnie.kelley@uncp.edu

#### **Program Committee**

- Nicole Turrill Welch, Department of Sciences and Mathematics, Mississippi University for Women, 1100 College Street, MUW-199, Columbus, MS 39701: 662-329-7234: nwelch@as.muw.edu
- **Howard Neufeld**, Department of Biology, Appalachian State University, Boone, NC 28608; 828-262-2683; neufeldhs@appstate.edu

#### Meetings Coordinator

Scott Jewell, A2ZConvention Services, PO Box 1088, Mebane, NC 27302; 336-421-0034; Cell 336-213-7373; Toll Free Fax 866-213-2095; a2zconvention@yahoo.com

#### Committee on Bioinformatics

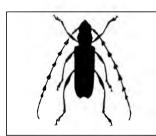
- Zack Murrell, Department of Biology, Appalachian State University, Boone, NC 28608; 828-262-2674; murrellze@appstate.edu
- W. Michael Dennis, Breedlove, Dennis and Associates, Inc., 330 W. Canton Avenue, Winter Park, FL 32789; 407-677-1882; Fax 407-657-7008; Toll Free 800-304-1882; mike@bda-inc.com
- Hank Bart, Department of Ecology and Evolutionary Biology, Boggs 400, Tulane University, New Orleans, LA 70118; 504-862-8283; hank@museum.tulane.edu

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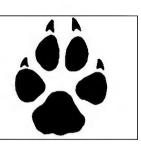
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#### CALL FOR PAPERS

#### THE 73<sup>rd</sup> ANNUAL MEETING OF THE ASSOCIATION OF SOUTHEASTERN BIOLOGISTS

# Hosted by: University of Georgia – Athens, GA

# ABSTRACTS WILL BE ACCEPTED TUESDAY, 1 NOVEMBER 2011–FRIDAY, 27 JANUARY 2012

#### Abstract Submission

Please submit your abstract online via the link on the ASB website (<a href="http://www.sebiologists.org/">http://www.sebiologists.org/</a>). Late abstracts will not be accepted. Presenters will be notified of the day and time of their presentation in late February.

The electronic submission system will ask you to provide the author(s)' name, institution, and contact information. You also will indicate whether you will present your research in paper (oral) or poster format, and indicate the appropriate section(s) to which your presentation should be assigned (herpetology, plant ecology, evolutionary biology, scholarship of teaching and learning, etc.).

Your abstract must be 250 words or less. We recommend that you first create your abstract using a word processor or plain text editor and paste a copy into the appropriate field on the electronic submission form. Words to be italicized must be indicated as \*Acer saccharum\* for proper formatting in the final program. Only acronyms should be typed in ALL CAPS. All other words, names, etc. should be typed in the appropriate mix of upper and lower case. Specific formatting instructions will be included on the abstract submission website. Authors not following formatting instructions will be asked to correct their abstracts before they are considered for acceptance.

Lastly, you may nominate your research for one or more appropriate awards sponsored by our Association and our affiliate associations. *PLEASE READ THE INSTRUCTIONS AND DESCRIPTIONS OF EACH AWARD CAREFULLY*. Individuals not meeting an award's qualifications or not following an award's nomination process will be disqualified at the discretion of the award's committee.

#### **Preliminary Presentation Instructions**

**Paper (oral) presentations** are allotted 15 minutes, must be in PowerPoint format, and must be brought to the meeting on a USB memory drive. Presenters will be required to load their presentations on the session's laptop computer at the beginning of the session. **Poster presentations** must fit in a 46" x 46" space. Posters will hang for the entire day and presenters will stand with their posters for a designated time period.

Questions? Contact Program Chair, Nicole Turrill Welch, <a href="mailto:nwelch@as.muw.edu.">nwelch@as.muw.edu.</a>

	Si	lent Au	ctio	n			
	Yes I would like to contribute to the Silent Auction to help with student travel to the Annual Meeting.  (100% of all proceeds to benefit student travel awards)						
Partial Birming	List of Items Doi ham	nated at	the 2	009 Annu	al Meeting	in	
(	Dissection Set Corporate Gift Certic Anatomical Model Dinner for Two Two Nights Hotel Act Books Charts Gift Basket Educational Charts Microscope Golf Putting Machin tion of Item(s) to be	ecommoda e	ations				
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	check appropriate of Please contact me a will mail the donati Coordinator before l	at the conf on to Scot	t Jewe				
Signature		Date	е	phone			
Title			e-n	nail			

Return form by **March 15, 2012** to: Scott Jewell, ASB Meeting Coordinator, PO Box 1088, Mebane, NC 27302; A2Zconvention@yahoo.com, 336/213-7373 cell, 336/421-0034 office, 336/421-3425 fax.

Company/Organization

### Workshop Form

#### 2012 Association of Southeastern Biologists April 4-7, 2012, Athens, Georgia

Workshop Description: All commercial workshops will be conducted during the meeting on a first-come first-served basis. Classroom style seating will be provided at no additional charge to the presenter. Each classroom will be set for a minimum of 50 participants. A screen will be provided for each room. LCD projectors and laptops will not be provided. One workshop per application please.

Signature	Date
	on and Workshop Contract form becomes the contract shop presenter will be notified of their acceptance by
arising out of injury to the presenter's displayers of the convention facilities and shall	asibility and liability for losses, damages and claims ay, equipment and other property brought upon the indemnify and hold harmless the association agents, ganization from any losses, damages and claims.
Deadline for workshop sub	mission is 15 October 2011
Thurs., 8:30am-10am Thurs., 10:30a Thurs., 3:30pm-5pm Fri., 8:30am-10	m-12noon Thurs., 1:30pm-3pm Dam
Pre-Conference Workshop: Wed., 4pm-5	:30pm
Please indicate which time slot you prefer	below:
(Description will appear in Final F	Program of Southeastern Biology)
50-Word Workshop Description:	
Workshop Title:	
Web site:	Fax:
Address:Contact Address:	
Presenter	_ Email
(Please list company name as you wish it to ap	

Return form by October 15, 2011 to: Scott Jewell, ASB Meeting Coordinator, PO Box 1088, Mebane, NC 27302; A2Zconvention@yahoo.com, 336/213-7373 cell, 336/421-0034 office, 336/421-3425 fax.

## **Industry Partners Form**

2012 Association of Southeastern Biologists April 4-7, 2012, Athens, Georgia

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_	(Please list company name as you wish it to						
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City,State,Zip:Fax:							
*Special Recogn	ition at the Thursday Night Social, Friday Nigh n Center and a listing in Final Program of <i>Sou</i>	nt Awards Banquet, signage					
Qty	Item	Amount					
	Wed. Night Cash Bar (4 Opportunities)	\$500/opportunity					
	Coffee Breaks (8 Opportunities)	\$500/opportunity					
	Cyber Café & Marketing Survey	\$750/opportunity					
	Thurs. Night Social (4 Opportunities)	\$900/opportunity					
	Friday Night Banquet Cash Bar	\$850					
	Yes, I wish to present a workshop	See Workshop Form					
	24-Hour Exhibit Hall Security	\$1,000					
	ASB Executive Committee Breakfast	\$350					
	Yes, I would like to Donate an Item to the	See Silent Auction Form					
	Silent Auction to help with Student Travel						
	ASB Web Site Hot Link to						
	Your Company (12 months)	\$375					
	Yes, I would like an AD in all 4	See Advertising Form					
2010 issues of Southeastern Biology (circle choice)							
1/4 page=\$200, 1/2 page=\$325, full page=\$425							
	AD in Final On-Site Program (circle choice)	See Advertising Form					
	1/4 page=\$175, 1/2 page=\$225, full page=\$27	5					
Signature		Date					
Title		e-mail					

Return Form with Check or Credit Card Information by **January 1, 2012** to: Scott Jewell, ASB Meeting Coordinator, PO Box 1088, Mebane, NC 27302; A2Zconvention@yahoo.com, 336/213-7373 cell, 336/421-0034 office, 336/421-3425 fax.

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#### SPECIAL REMINDERS FROM THE JOURNAL EDITOR

#### ASB BANQUET ATTENDANCE

Please keep in mind that recipients of ASB awards must be present at the annual ASB banquet to receive the award. Therefore, all applicants for ASB awards must attend the banquet to insure the presence of the winners.

#### MEMBERSHIP AND REGISTRATION UPDATE

All applicants for ASB research awards must be ASB members in good standing, and be duly registered for the annual meeting. If necessary, check with the Treasurer for verification before you apply.

Please make sure your membership status is up-to-date amply before the deadline for abstract submission and for annual meeting registration. Please be aware that mailing a check or money order for membership renewal to the treasurer and then trying to register online or by mail for the annual meeting on the same day does not work. Moreover, trying to pay for membership renewal online in tandem with registering for the annual meeting online does not work well either.

#### EXTRA ABSTRACT SUBMISSION

Besides sending abstracts of papers and posters to the Program Committee by January 27, 2012, anyone wishing to be considered for an award must send an abstract to the respective award committee chairperson in order to be considered. An abstract must be sent to the chairperson by January 27, 2012.

#### **Preliminary Presentation Instructions**

Paper (oral) presentations are allotted 15 minutes, must be in PowerPoint format, and must be brought to the meeting on a USB memory drive. Presenters will be required to load their presentations on the session's laptop computer at the beginning of the session. Poster presentations must fit in a 46" x 46" space and presenters should bring their own push pins for hanging their poster. Posters will hang for the entire day and presenters will stand with their posters for a designated one-hour period. More specific instructions for paper and poster presentations will be posted on the ASB website when abstract acceptance notifications are released.

Questions? Contact Program Chair, Nicole Turrill Welch, nwelch@as.muw.edu.

# Nomination for ASB Officers and Executive Committee Positions

**DEADLINE: 15 OCTOBER 2011** 

To members of the Nominating Committee: I wish to suggest that you consider the following ASB member(s) in selecting nominees for officers and executive committee positions. ( <i>Please include the institutional address of each nominee</i> .)
PRESIDENT-ELECT
VICE PRESIDENT
EXECUTIVE COMMITTEE (two will be elected for three-year terms)
MAIL TO: Dr. Patricia Cox, TVA Heritage Program, 400 West Summit Hill Drive, WT11C, Knoxville, TN 37902; 865-632-3609; Cell 865-661-1241; fax 865-632-4223; pbcox@tva.gov.
NAME & ADDRESS OF NOMINATOR

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A biodiversity informatics software development company that specialized in online products and custom solutions for biological and natural history collections.

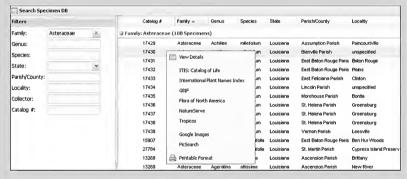
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SilverCollection is an interactive web portal for herbaria and other biological collections. It is a client-specific customized application for online access to specimen data. This application provides an interactive solution for curating, searching, and browsing your collection records. *More info at: collection.SilverBiology.com* 

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contact@silverbiology.com

# SUPPORT AWARDS FOR GRADUATE STUDENT MEMBERS OF ASB

#### **DEADLINE FOR POSTMARK: 27 JANUARY 2012**

Limited funds are available to partially defray the expenses of graduate students attending the Annual Meeting. The awards are for lodging and meals only, including the ASB Banquet. Departments are urged to provide transportation for their graduate students. Recipients must be members of ASB. See ASB web site for membership application or renewal forms. The guidelines for application are as follows:

- (a) The recipient is a current member of ASB.
- (b) The recipient must be presenting a paper or poster at the Annual Meeting and must include a separate copy of the abstract of the paper or poster to be presented along with the application.
- (c) The recipient must be currently enrolled as a graduate student in the department where he/she conducted this research.
- (d) Student travel awards are granted on a competitive basis. Applicants must document expected expenses and list other sources of financial support for this meeting, including institutional aid, shared lodging and shared transportation.
- (e) In a paragraph, give a brief history of your education to date: indicate how many years you have been in graduate school and the expected date of completion of work for your degree, your major field of study and research, publications, including those in press and in preparation, degree sought, name of major professor and any other pertinent details.
- (f) Give your source(s) of support while in graduate school: e.g. NSF, NIH, USDA, Teaching Asst., Research Asst., etc.
- (g) Include a letter of recommendation for an ASB support award from your faculty research advisor. This letter should comment on the work being presented and indicate the financial need of the student presenter. It should also indicate whether any departmental or other funding is available to the student.
- (h) Send application with supporting letter to: Dr. Richard Carter, Department of Biology, Valdosta State University, Valdosta, GA 31698-0015; 229-333-5763. In addition, e-mail a copy of your completed application documents without the supporting letter to rcarter@ valdosta.edu.
- (i) Applicants will be notified of the decision of the Committee as soon as is practical. Recipients of the award will pick up their checks at the ASB table at the meeting.

#### **GUIDELINES FOR POSTER PRESENTATIONS**

Poster sessions have been incorporated as a regular means of scientific presentation at the annual ASB meetings. This type of presentation provides a more informal environment that encourages a direct interchange of ideas and discussion between presenter and audience. Poster presentations are open to all ASB members. Adherence to the following guidelines helps ensure the effectiveness of the poster presentation and consideration for the award.

- (1) Display should fit on a 46" h x 46" w board suitable for thumbtacks, pushpins, or Velcro.
- (2) Poster must be displayed from 10 a.m. Thursday through 5 p.m. Friday. Authors will be required to be present at specified times during the Annual Meeting.
- (3) Poster should be carefully planned to maximize clarity and simplicity in conveying information.
- (4) Poster should have a heading, including a title, author, and author's institution(s). This heading should be placed at the top in letters no less than **3 cm** high.
- (5) The body of the poster, including text, figure legends, and table captions, should be in type no smaller than 18 pt (3-4 mm) and must be legible from a distance of about 1-2 meters.
- (6) The body should be self-explanatory and should include figures, tables, graphs, maps, or photographs displayed in a well organized, coherent, and easy-to-follow sequence from top to bottom. Each illustration should contain a caption. Do not overcrowd the display. Significance will be one of the criteria looked for in judging the posters.
- (7) A limited degree of text may be included, but care should be taken not to overwhelm the audience.
- (8) A large, abbreviated version of the abstract should be presented at the top of the poster, but below the heading. A clear listing of specific conclusions should appear at the bottom or end of the presentation. An abstract must also be submitted to the award committee chair.

Further inquiries may be directed to the **Chair of the ASB Poster Award Committee**: Dr. John Delfino, Midway College, 512 East Stephens Street, Midway, KY 40347-1120; 859-846-5813; jdelfino@midway.edu.

#### **RESEARCH AWARDS**

**SPECIAL NOTICE:** Please read carefully the description of requirements for the ASB award for which you apply. All applicants for ASB awards must be ASB members in good standing, and must be duly registered for the annual meeting. If necessary, check with the Treasurer for verification before you apply. Note especially that recipients of ASB awards must be present at the annual ASB banquet to receive the award.

#### ASB SENIOR RESEARCH AWARD (\$1000)

Given for an especially meritorious manuscript presented orally by the senior author at the annual meeting of ASB (or co-author under exceptional circumstances if the senior author cannot attend). The award applicant must be senior author on both the manuscript and oral presentation, and the presenter must be a member of ASB. In order to qualify for this award, sponsored by ASB Patron Member Marilyn Pendley, the senior author (or a representative) must have presented work orally at any previous annual meeting or have submitted an abstract by the 27 January abstract deadline for an oral presentation at the next annual meeting. The manuscript must either have been submitted for publication or be ready for submission and carry the format of the journal to which it will be (or has been) submitted. Author(s) may submit their papers electronically by emailing them to the committee chair (pdf preferred). Include a short (1 page maximum) biography of the award applicant. If sent by hardcopy, submit three copies of the manuscript and biographical sketch. Manuscripts received by 27 January 2012 will compete for the 2012 Senior Research Award. Manuscripts received after the deadline will be returned to the senior author who can then resubmit the following year. However, such manuscripts cannot have been published prior to the last annual meeting. Judges will use a standard evaluation form that includes the following criteria: significance of ideas, soundness of hypotheses, originality (creativity), quality of methodology, validity of results, soundness of conclusions, clarity, completeness, organization, and contribution to the field. Review papers, if submitted, should contain new information, such as novel syntheses from existing data, or an original contribution that extends our knowledge of the field, rather than just a review of existing literature. At the discretion of the Senior Research Award Committee, the award may be withheld or it may be split in case of a tie. The recipient of the award must be present at the annual ASB banquet to receive the award.

Committee Chair: Dr. Gaven Lawson, Department of Biology, Bridgewater College, Bridgewater, VA 22812; 540-828-8000; glawson@bridgewater.edu.

#### ASB STUDENT RESEARCH AWARD (\$1000)

Given for an especially meritorious manuscript presented orally by the author(s) at the annual meeting. To be eligible for the Student Research Award (sponsored by ASB **Patron Member Martin Microscope Company**), the recipient must be the senior author on the manuscript, and must be a graduate or undergraduate student at the time of presentation. To qualify for the award, the

author(s) must submit an abstract to the current Student Research Award Committee Chair (posted on the website), due the same date as abstract submission to the program committee for presentations or posters (specified in the official call for papers). Complete applications for the competition must be received by the Student Research Award Committee Chair by January 27<sup>th</sup> prior to the annual meeting. Complete applications include (1) Three copies of a journal-ready manuscript. Papers may be in press, or published after the previous ASB annual meeting, but not prior; (2) abstract in same format as submitted for the ASB call for papers, including author names, titles, and contact information; (3) biographical sketches of each author. These materials may also (in addition to hardcopy) be sent by email to the committee chair. Judges will evaluate the manuscripts based on significance of ideas, soundness of hypotheses, originality, methodology, validity of results, soundness conclusions, clarity, completeness, organization, and contribution to the field. At the discretion of the Student Research Award Committee, the award may be withheld or it may be split in the case of a tie. Only members of the ASB are eligible and the recipient of the award must be present at the Annual ASB Awards Banquet to receive the award.

Committee Chair: Dr. Andrew Methven, Department of Biology, Eastern Illinois University, Charleston, IL 61920-3009; 217-581-6241; asmethven@eiu.edu.

## BROOKS/COLE CENGAGE LEARNING STUDENT RESEARCH AWARD IN AQUATIC BIOLOGY (\$200)

The purpose of this award, sponsored by ASB Patron Member Brooks/Cole Cengage Learning, is to encourage excellence in aquatic biology research by undergraduate and graduate students. It is intended that "aquatic biology" be broadly interpreted. For example, research projects on aquatic organisms. wetland biota, and water quality are eligible. To be eligible for the Student Research Award in Aquatic Biology, the recipient must be the senior author on the manuscript, and must be a graduate or undergraduate student at the time of presentation. The paper must be based on research designed and completed by the student, and must be presented orally by the student as senior author at the annual meeting. To qualify for the award, the author(s) must submit an abstract to the current Student Research Award Committee Chair (posted on the website), due the same date as abstract submission to the program committee for presentations or posters (specified in the official call for papers). Complete applications for the competition must be received by the Student Research Award Committee Chair by January 27th prior to the annual meeting. Complete applications include (1) Three copies of a journal-ready manuscript. Papers may be in press, or published after the previous ASB annual meeting, but not prior; (2) abstract in same format as submitted for the ASB call for papers, including author names, titles, and contact information; (3) biographical sketches of each author. These materials may also (in addition to hardcopy) be sent by email to the committee chair. Judges will evaluate the manuscripts based on significance of ideas, soundness of hypotheses, originality, methodology, validity of results, soundness of conclusions, clarity, completeness, organization, and contribution to the field. At the discretion of the Student Research Award

Committee, the award may be withheld or it may be split in the case of a tie.

Only members of the ASB are eligible and the recipient of the award must be present at the Annual ASB Awards Banquet to receive the award.

Committee Chair: Dr. Andrew Methven, Department of Biology, Eastern Illinois University, Charleston, IL 61920-3009; 217-581-6241; <a href="mailto:asmethven@eiu.edu">asmethven@eiu.edu</a>.

#### ASB RESEARCH AWARD IN MICROBIOLOGY (\$500)

Sponsored by ASB, the award is given for an especially meritorious oral presentation of research results by the author(s) at the annual meeting. The purpose of the award is to stimulate greater participation at the Annual Meeting in the broad area of microbiology, principally prokaryotic microbiology. The research may involve cell biology, physiology, molecular biology and/or genetics of these organisms, but must clearly be about the organisms and not the disciplines. The presentation must deal clearly with prokaryotic microbes and should represent substantially completed work. In order to qualify for this award, the senior author must request consideration for the award on the abstract submission form, submit one copy of the title and abstract to the ASB Program Chair by 27 January 2012, and submit a second copy by the same date to the Microbiology Award Committee Chair. Only members of ASB are eligible and the recipient of the award must be present at the Annual ASB Banquet to receive the award (go to http://asb.appstate.edu/member.htm for membership application or renewal form).

Committee Chair: Dr. Chris Murdock, Department of Biology, Jacksonville State University, Jacksonville, AL 36265-1602; 256-782-8440; Murdock@jsu.edu.

#### ASB STUDENT POSTER AWARD (\$300)

Given for an especially meritorious poster presentation by the author(s) at the Annual Meeting. The purpose of the award, sponsored by ASB Patron Member Brooks/Cole Cengage Learning, is to stimulate greater student participation at the Annual Meeting. To qualify for this award, the senior author must be a graduate or undergraduate student at the time of presentation, must be a member of ASB, must submit an abstract by the 27 January 2012 deadline, and must be present at the Annual ASB Awards Banquet. Student poster presentations must also adhere to the "Guidelines for Poster Presentations." Only student authors who request consideration for the poster award on the abstract submission form will be judged for the award. In addition to adherence to the "Guidelines for Poster Presentations," student poster presentations will also be judged using the following specific criteria:

- (1) Overall aesthetics and attractiveness of presentation
- (2) Ease of reading from a distance (1-2 meters)
- (3) Clear and concise organization
- (4) Clearly stated hypothesis or study objectives
- (5) Soundness of methods for testing hypotheses or meeting study objectives
- (6) How well conclusions are supported by results

At the discretion of the ASB Poster Award Committee, the award may be withheld or it may be split in the case of a tie. Some posters may also be awarded "Honorable Mention" at the discretion of the ASB Poster Award Committee (Honorable Mention awardees receive no monetary award). Further inquiries may be directed to the chair of the ASB Poster Award Committee.

Committee Chair: Dr. John Delfino, Midway College, 512 E Stephens Street, Midway, KY 40347-1120; 859-846-5813; jdelfino@midway.edu.

#### **EUGENE P. ODUM AWARD (\$500)**

The Eugene P. Odum Award is sponsored by the Southeastern Chapter of ESA. This Award of \$500 is given for the best oral presentation on ecological research given by a student at the Association of Southeastern Biologists [ASB] Annual Meeting. Undergraduate and graduate students are eligible. The research presented should be primarily of the student's design and should represent a culmination of their work. Presentations describing preliminary work or data will not be considered for the Odum Award. Likewise, the abstract must be complete with results and discussion comprising a significant portion of the abstract. Students may not compete for the Award in successive years on the same project, and may not compete simultaneously for the Odum and Quarterman-Keever Awards in the same year.

(1) A student must indicate their interest by clicking the Odum Award radio button on the abstract submission website. To be considered, the student must submit their abstract by the deadline announced in the Call for Papers to <u>both</u> the (2) ASB Meeting Program Chair <u>and</u> directly to the (3) Chair of the Odum Award Committee, Dean Cocking, Department of Biology, James Madison University. Send E-mail to cockinwd@jmu.edu. Enter ODUM AWARD (your last name) in the subject line. Submissions failing to meet these three criteria will not be considered.

**Committee Chair:** Dr. Dean Cocking, Department of Biology, James Madison University, Harrisonburg, VA 22807; 540-568-6566; fax 540-568-3333; cockinwd@jmu.edu.

#### ELSIE QUARTERMAN-CATHERINE KEEVER AWARD (\$300)

Given by the Southeastern Chapter of the Ecological Society of America for the best ecological poster presented by a student. This award was presented for the first time in 2005. Undergraduate and graduate students are eligible. The student must be the sole or senior author. The poster must deal with a clearly ecological topic and should represent substantially completed work. It should be presented in a regular contributed poster session. Students may not compete for this award in successive years with the same project. Students may not compete simultaneously for the Elsie Quarterman-Catherine Keever Award and the Odum Award in the same year. One copy of the title and abstract should be sent to the ASB Program Chair by the "Call for Papers" deadline of 27 January 2012 and a second copy must be sent via email by the same date to the Quarterman-Keever Committee Chair.

Committee Chair: Dr. James Luken, College of Natural and Applied Sciences, Coastal Carolina University, P.O. Box 261954, Conway, SC 29528-6054; 943-349-2235; Fax 843-349-2926; joluken@coastal.edu.

#### THE NORTH CAROLINA BOTANICAL GARDEN AWARD (\$200)

Given by NCBG (through the Southeastern Section of the Botanical Society of America and the Southern Appalachian Botanical Society). This is awarded for a paper presented at the annual ASB meetings that best advances our understanding of the biology and conservation of the southeastern plants and thus contributes to the mission of the North Carolina Botanical Garden. Of special interest to the Garden are the rare plant species of the Southeast: why they are rare; how they interact with plants, animals, and their environment; and what can be done to ensure their survival. The paper may deal with a broad area including systematics, ecology and conservation. All individuals who are eligible to present at the ASB meetings are eligible for this award. They may be students, faculty or others.

Committee Chair: Dr. John Randall, Department of Biology, University of North Carolina, Greensboro, NC 27412; 919-962-0522; fax 919-962-3531; jrandall@email.unc.edu

## SOCIETY OF WETLAND SCIENTISTS SOUTH ATLANTIC CHAPTER STUDENT TRAVEL AWARD

The Association of Southeastern Biologists (ASB) Meeting Travel Award (http://www.asb.appstate.edu/) (http://www.sws.org/regional/southatlantic/ travelguidelines ASB.html). The SAC is offering two \$100 travel awards to help support students presenting wetlands research at the Association of Southern Biologists (ASB) annual meeting in Athens, Georgia, April 3-7, 2012. The Chapter's Awards and Executive Committees will judge the applicants based on the scientific quality and importance of their research as described in the abstract. All students presenting research on a wetland topic are eligible; membership in SWS is not required. Students: please submit your abstract as instructed in the ASB call for papers. Further, applicants must also submit their abstract by e-mail to the SWS-SAC Awards Chair, David Bailey, at David.E.Bailey2@usace.army.mil to be considered for a SWS-SAC travel award. Award winners will be invited to the Chapter's luncheon meeting (no charge for awardees) held during the ASB annual meeting. The deadline for this travel award is January 27, 2012. Dr. Bailey's address and telephone number - U.S. Army Corps of Engineers, CE-SAW-RG-L, 69 Darlington Ave., Wilmington, NC 28403-1343; 910-251-4469.

## BOTANICAL SOCIETY OF AMERICA SOUTHEASTERN SECTION STUDENT AWARDS

Two awards: A \$300 cash prize for the best paper and a \$300 cash prize for the best poster in plant science presented at the annual meeting of ASB. In

addition, each winner will receive funds towards travel to the annual BSA meeting as well as one year's membership in BSA. These are awards for papers and posters in botany in its broadest sense including fungi and algae as well as plants.

Who is eligible: Undergraduate and graduate students are eligible. The student must be the sole or senior author of the paper or poster.

**How to apply**: To be included in the competition, applicants should e-mail their abstract to the Botanical Society of America Southeastern Section Student Award committee chair by the abstract deadline of 16 January 2010. The winner will be announced at the ASB Banquet.

Committee Chair: Dr. Zach Murrell, Department of Biology, Appalachian State University, Boone, NC 28608; 828-262-2674; murrellze@appstate.edu.

## Southern Appalachian Botanical Society Outstanding Student Paper and Poster Awards

The society offers two awards for students: the SABS Outstanding Student Paper Award, and the SABS Outstanding Student Poster Award. A nominee must be a current undergraduate or graduate student in good standing, and must be a current member of SABS. A student will nominate his/her paper or poster presentation when registering for the annual ASB meeting and submitting the abstract. The instructions for nomination are on the ASB web site. Each award includes an honorarium of \$150.00, and the winners will be announced at the ASB Friday night banquet.

#### **Earl Core Student Award**

The Core Student Award was established by the Society Council to provide financial assistance in support of student research projects in plant taxonomy, systematics and ecology.

#### Criteria and Procedures

- An applicant for a Core Student Award and his/her research advisor must be members of the Southern Appalachian Botanical Society (SABS).
- Support in the form of a Core Student Award will be presented to an individual student for a given research project only once; applications for additional support for the same project will not be considered.
- The research advisor will attest to the applicant's student status and validity of the research proposal.
- 4. The annual award period will run from May 1 of the award year through April 30 of the next year.
- 5. An individual award may not exceed \$300.
- Award applications for consideration each year must be received by the committee chair no later than February 15 of the award year. Download the application cover sheet on SABS website (http://www.sabs.appstate.edu/ Awards/CoreMain.htm) for submitting information. The chair will transmit

copies of each application to other members of the committee and will subsequently report the decision of the committee to the Society president by April 1. Award recipients will be announced in April at the annual meeting of SABS/ASB in Asheville, North Carolina.

- 7. Awards will be designated on a competitive basis with the applications reviewed and awardee(s) selected by the Core Student Award Committee. Should a member of the committee be the research advisor of an applicant, he/she will be excused as a reviewer for that entire group of applications and replaced by the society president.
- 8. Recipients of a Core Student Award are expected to submit a summary for publication in *Chinquapin* (our newsletter). Though not required, recipients are encouraged to submit the results of their research to *Castanea* for possible publication. In any case, oral presentation(s) and/or publication(s) resulting from financial support will appropriately acknowledge SABS.

Submit completed applications to: **Dr. Douglas P. Jensen, Chair**, Biology Department, Converse College, 580 East Main Street, Spartanburg, SC 29302; 864-596-9123; doug.jensen@converse.edu.

For the award requirements of other ASB affiliates, visit their respective web site:

American Society of Ichthyologists and Herpetologists—http://www.asih.org/ Southeastern Microscopy Society—http://www.semicroscopy.org Southern Society of Parasitologists—http://asp.unl.edu

#### SPECIAL AWARD

#### THE ROBERT H. MARTIN PROFESSIONAL EXCELLENCE AWARD

Sponsored by Martin Microscope Company, this ASB award is established to honor the memory of Robert H. Martin, Sr., founder of Martin Microscope Company. ASB members are invited to nominate outstanding ASB scientists, educators, and professionals to receive the Robert H. Martin Professional Excellence Award, established in 2008 and sponsored by Martin Microscope Company. In keeping with the example of the award namesake, nominees must be ASB members who have devoted a major portion of their career to energetic, creative commitment and skillful, effective service to biology education, biology research, and/or the biology profession. This award is only presented when the award committee identifies an exceptional, qualified nominee. Recipients are honored at the Awards Banquet during the ASB Annual Meeting and will receive a plaque and a cash award. The amount of the cash award is to be determined by the Robert H. Martin Award Fund Committee. Nominations must include a detailed written description of the candidate's qualifications. Nominations may be submitted at any time.

Please send nominations to: **Tim Atkinson**, ASB Treasurer, 2700 York Rd., Burlington, NC 27215, tim.atkinson@carolina.com.

# Honor Thy Teacher! ASB MERITORIOUS TEACHING AWARD DEADLINE JANUARY 27, 2012

Each year the Association of Southeastern Biologists recognizes one of its members for especially meritorious teaching. Carolina Biological Supply Company, Burlington, North Carolina, generously sponsors this \$1500 award, which will be presented together with a plaque and appropriate citation at the Annual Banquet in Athens, Georgia, April 3-7, 2012. The Meritorious Teaching Award Committee each year selects the award winner

- from among those who have been members of the association for at least 10 years
- and who have taught biology for at least ten years in any college or university represented in the association.

There is no restriction on the size of the institution, nor must the institution have a graduate program. The award simply recognizes highly effective teaching

> as highlighted in nominations from former students or colleagues.

There are many deserving teachers in ASB; however, these individuals cannot nominate themselves, so former students or colleagues must take an active role in assembling the materials that the committee will then evaluate.

We urge you to take the lead, pass the word — serve as the coordinator and nominate a deserving teacher! Solicit supporting letters from the nominee's present and former students. Contact his or her colleagues for additional endorsements. Document any form of recognition by the nominee's home institution of excellence in teaching, as well as special assignments and mentoring roles facilitating good teaching. Of special note would be the number and quality of students for whom the nominee provided primary inspiration to continue their study of biology, especially for students who subsequently earned advanced degrees. In short, document the educational impact this individual has made by virtue of his or her role as a biology professor.

Nominators should prepare a portfolio containing at least a letter of nomination, the nominee's current *curriculum vitae*, and supporting letters, together with the Nomination Form for the Meritorious Teaching Award and other relevant documentation. Submit all materials in triplicate by the January 27 deadline to: Dr. Michael J. Baranski, Department of Biology, Catawba College, Salisbury, NC 28144-2488; 704-637-4442; mbaransk@catawba.edu. If you have any questions, please call me or send an email. Files for previously nominated candidates who did not receive the award will remain active for two additional years, and these files may be updated. Such updated files are very carefully considered by the committee. The committee would welcome the task of deciding among several candidates.

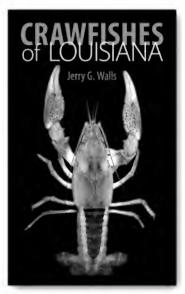
Thanks for taking the initiative to nominate your favorite teacher!

Dr. Michael J. Baranski, Chair ASB Meritorious Teaching Award Committee

NOMINATION-ASB MERITORIOUS TEACHING AWARD, 2012
Name:
Address:
TEACHING INTEREST:
NOMINATOR NAME/ADDRESS:
SUPPORTING DOCUMENTATION (to be submitted in triplicate):  Letter of Nomination; Nominee's Curriculum Vitae; Supporting letters; Verification of Nominee's Minimum 10-Year Membership in ASB; Additional Information (list)

#### ASB Lucrecia Herr Outstanding Biology Teacher AWARD (\$750)

ASB maintains an enrichment fund to sponsor long- and short-range objectives to advance biological education through teaching and research. The Enrichment Fund Board is chaired by Michael Dennis. As has been the custom for the past several meetings, ASB recognizes individuals for their achievements and dedication to biology education at the secondary school level. The awardee is invited to attend the annual meeting and be honored. The use of money from this fund shows appreciation for excellence in teaching at the secondary level, and to reach out to our colleagues in the teaching profession. Contributions to the fund can be made at the annual meeting or can be sent to the Treasurer of ASB whose address can be found in the inside front cover of this issue.



Includes detailed illustrations of taxonomic features, color photographs of living specimens, and maps indicating distribution throughout the state

Illustrated, \$27.50 PAPER



#### ALL TAXA BIODIVERSITY INVENTORY (ATBI)

#### GATLINBURG, TENNESSEE

ATBI is an organization devoted to surveying all life in the Great Smoky Mountains National Park.

More information about the ATBI and Discovery Life in America (DLIA) may be obtained from the Executive Director, Todd Witcher, by e-mail todd@dlia.org. The website is http://www.discoverlifeinamerica.org or at http://www.dlia.org. The mailing address is Discover Life in America, 1314 Cherokee Orchard Road, Gatlinburg, TN 37738-3627. The telephone number is (865) 430-4752.cs

#### SOUTHERN APPALACHIAN FOREST COALITION (SAFC)

#### ASHEVILLE, NORTH CAROLINA

As stated in their newsletter *Across Our Mountains*, SAFC is an organization dedicated to "working together to protect and restore southern Appalachian forests."

More information about SAFC may be obtained from their web site at http://www.safc.org, and by e-mail at safc@safc.org. The mailing address is Southern Appalachian Forest Coalition, 46 Haywood Street, Suite 323, Asheville, North Carolina 28801-2838. The telephone number is (828) 252-9223.

#### A LETTER FROM THE TREASURER

#### Dear ASB Member:

As you know, ASB strives to serve the educational and scientific community in many ways. These endeavors also serve the world community. ASB encourages the advancement of biology by

- The promotion of research in biology
- The increase and diffusion of knowledge of biology
- · The application of biology to the solution of biological problems
- · The preservation of biological resources
- Its meetings, reports, discussions, and publications to promote scientific interests and inquiry

Website: http://www.asb.appstate.edu

#### **PURPOSE**

The Association of Southeastern Biologists was established in 1937 by biologists concerned with the quality of biological research in the southeastern United States. Today, ASB is the largest regional biology association in the country, and is committed to the advancement of biology as a science by the promotion of science education, research, and the application of scientific knowledge to human problems.

#### WHO WE ARE

ASB members include faculty, students, researchers, conservation workers, military and government personnel, and business people with a common interest in biological issues in the southeastern United States. Interests are diverse but range from genetics and molecular biology, to physiology and population ecology, to community and ecosystem ecology.

#### **PATRONS**

Associated Microscope Inc, Elon and Haw River, NC Tim Atkinson, Burlington, NC Breedlove, Dennis & Associates, Winter Park, FL Carolina Biological Supply Company, Burlington, NC Martin Microscope Company, Easley, SC Brooks/Cole Cengage Learning, Belmont, CA Marilyn Pendley, Caldwell Career Center Middle College, Hudson, NC Southeastern Naturalist (Humboldt Institute), Steuben, ME

#### **AFFILIATE SOCIETIES**

American Society of Ichthyologists and Herpetologists, Southeastern Division
Beta Beta Beta, Southeastern Districts I and II
Botanical Society of America, Southeastern Division
Ecological Society of America, Southeastern Chapter
Society of Wetland Scientists, South Atlantic Chapter
Southeastern Microscopy Society
Southeastern Society of Parasitologists
Southern Appalachian Botanical Society
Society of Herbarium Curators

#### AWARDS PRESENTED BY THE ASSOCIATION

The Association and its affiliates present a number of awards at the annual meeting. These include several for outstanding research, plus service awards.

#### ASB Awards

- Meritorious Teaching Award presented in recognition of outstanding teaching and mentoring of students. This is the association's most prestigious award. Sponsored by ASB Patron Member Carolina Biological Supply Company, Burlington, NC.
- Student Research Award presented to a student member for outstanding research. A written manuscript is required as well as an oral presentation at the annual meeting. Sponsored by ASB Patron Member Martin Microscopy Company, Easley, SC.
- Brooks/Cole Cengage Learning Student Research Award in Aquatic Biology presented to that student whose research in aquatic biology is deemed outstanding. Sponsored by ASB Patron Member Brooks/Cole Cengage Learning, Belmont, CA.
- Senior Research Award presented to a senior member for outstanding research. A written manuscript is required as well as an oral presentation at the annual meeting. Sponsored by ASB Patron Member Marilyn S. Pendley, Hudson, NC.
- Student Poster Award presented to a student member who has the best overall poster at the annual meeting. Sponsored by ASB Patron Member Brooks/Cole Cengage Learning, Belmont, CA.
- **Travel Support Grants** given to assist graduate students with expenses at the annual meeting. Sponsored by ASB.
- **Research Award in Microbiology** presented to a member for outstanding research in Microbiology. Sponsored by ASB.

#### **Affiliate Awards**

- The North Carolina Botanical Garden Award sponsored by the NCBG. Presented to a member for outstanding research which best advances our understanding of the biology and conservation of the southeastern plants.
- **Eugene P. Odum Award** sponsored by the Southeastern Chapter of the Ecological Society of America. Presented to a student member for the most outstanding paper presentation in the field of ecological research.
- Elsie Quarterman-Catherine Keever Award sponsored by the Southeastern Chapter of the Ecological Society of America. Presented to a student member for the most outstanding poster presentation in the field of ecological research.
- Ichthyology and Herpetology Awards sponsored by the Southeastern Division of the American Society of Ichthyologists and Herpetologists. Presented to a student member for outstanding research in each of the two categories.
- Elizabeth Ann Bartholomew Award sponsored by the Southern Appalachian Botanical Society. Presented to individuals who have distinguished themselves in professional and public service that advances our knowledge and appreciation of the world of plants.

Outstanding Student Paper and Poster Awards – sponsored by the Southern Appalachian Botanical Society. Presented annually to a student with best paper and to a student with best poster.

- Earl Core Student Award Sponsored by the Southern Appalachian Botanical Society. Presented annually to assist students with their research projects.
- **Richard and Minnie Windler Award** sponsored by the Southern Appalachian Botanical Society. Presented annually to the author or authors of the best systematic botany paper published in *Castanea* during the previous year.
- Student Award in Plant Science sponsored by the Southeastern Section of the Botanical Society of America. Presented to a student for the most outstanding paper presentation and to a student for the most outstanding poster in plant science.
- **Byrd Award** sponsored by the Southeastern Society of Parasitologists. Presented to a member for outstanding research in the field of parasitology.
- **Ruska Award** sponsored by the Southeastern Microscopy Society. Presented annually to recognize and reward student excellence in research in which microscopy is used as a research tool.

#### ANNUAL MEETING

Annual meetings are hosted by member institutions throughout the southeast. Meetings are in April, and include a distinguished plenary speaker, special symposia, field trips, oral and poster presentations of research, workshops, social events, exhibits, election of officers, and award presentations.

#### **MEMBERSHIP**

The Association of Southeastern Biologists currently has about 1400 members, spread among 220 academic and 60 non-academic institutions.

#### **ACTIVITIES**

The Association publishes a quarterly bulletin, Southeastern Biology, which contains the program of the annual meeting and abstracts of papers presented, book reviews, science news and information about scientists in the southeast, Association affairs, and special features of regional or timely interest.

#### SEVEN REASONS TO BE AN ACTIVE ASB MEMBER

- 1. Subscription to Southeastern Biology, the Bulletin of the Association.
- 2. Privilege of presenting papers at the annual meeting.
- 3. Publication of your abstracts and articles in Southeastern Biology.
- 4. Participation in recognition, honors, and awards competition.
- 5. Representation of your interests in regional, national, and worldwide governmental, educational, and industrial programs concerning biology
- 6. A vehicle to showcase and support students' work in the biological sciences.
- 7. Participation is a commitment to your profession and your active support becomes part of over 60 years of significant biological legacy in the southeastern United States.

A contribution to the ASB Enrichment Fund will help to insure the continuation of these efforts. Please consider what you may do.

YES, I want to contribute to the ASB Enrichment Fund!
I enclose my contribution of \$ Please use this to further the interests of ASB and its Members.
I would like to see the ASB Enrichment Fund used in the following areas (Check those you wish to support):
Research Awards
Student Research Awards
Graduate Student Travel Grants
Speakers & Programs for the Annual Meeting
Outstanding Teacher Awards
Other (please list)
Please make any <b>checks payable to ASB</b> . Please mail your contributions and ideas to:
Tim Atkinson

ASB Treasurer/Business Manager Carolina Biological Supply Company 2700 York Road Burlington, NC 27215-3398

## ASB and the Southeastern Naturalist ... A shared tradition of natural history scholarship and a **NEW Partnership!**



- Free online access for SENA subscribers to both the Southeastern Naturalist and its co-published journal Northeastern Naturalist at www. eaglehill.us.
- Online supplementary files (data tables, audio/video files, etc.) possible!
- Notes section presenting brief, significant field observations.
- · Concise descriptions of new and notable books.
- ASB members in good standing who choose to publish in SENA now receive a \$10 per page reduction in page charges if they are the lead and corresponding authors.

For more information about the journal or submissions, visit us at: www.eaglehill.us/sena

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#### **BOOK REVIEWS**

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Cain, M. L., W. D. Bowman and S. D. Hacker. 2011. **Ecology**, 2<sup>nd</sup> Edition. Sinauer Associates, Inc. Sunderland, MA. 648 pp. \$120.00.

The field of ecology is rapidly changing and integrates many areas of biology within its framework. As such, a course in ecology can be a daunting challenge for both the student and instructor. The authors of this textbook have tackled these challenges by focusing on 2 core principles while writing the book: "teaching comes first" and "less is more."

Focusing on the first principle, each chapter begins with a case study that aims to pique student interest and preview key concepts that are covered in the subsequent material. Each chapter then concludes with a "case study revisited" section that discusses recent research related to the case study. The case study revisited also demonstrates how ecologists use the scientific method and includes relevant figures of data from recent publications.

I particularly like the figures used in this textbook. To aid visual learners, each figure includes a series of "balloon captions" that illustrate the main concepts in the figure. In addition, many of the figures are based on data from recent peer-reviewed literature and the balloon captions can help students learn to interpret scientific graphs.

To emphasize the "less is more" mentality, the authors have kept each chapter relatively short (often less than 25 pages) and only emphasize 3-5 key concepts in each chapter. The basis of this logic is to avoid overwhelming students with details and a laundry list of examples. This allows students to read the book and understand the key overarching concepts.

This book was written for undergraduate students taking an introductory course in ecology. The book often skims over mathematical details (although some are covered in web extensions referenced in the text) and therefore may not be suitable for some upper-level undergraduate ecology courses. The writing is easily understandable by undergraduate students and should therefore suit the needs of instructors that wish to have students read the book and understand material that was not covered in class.

In terms of content coverage, this textbook begins with a unit on the interactions between organisms and their environment, including chapters on the physical environment, biosphere, coping with environmental variation, and evolutionary ecology. The succeeding units include chapters on population biology, interactions among organisms, community ecology, ecosystems, and applied and landscape-level ecology. This book differs from other ecology textbooks in its greater emphasis on community ecology, ecosystem ecology,

and applied aspects of ecology. To integrate the material covered in different chapters, each chapter ends with a "connections in nature" segment that aims to demonstrate how the material covered in the current chapter is influenced by interactions at others levels of the ecological hierarchy. The companion website also includes a "hands-on problem solving" exercise related to the content of each chapter.

Changes made in the 2<sup>nd</sup> edition of *Ecology* include "ecological toolkit" boxes that are integrated within chapters. The boxes highlight the tools and techniques used by ecologists such as experimental design, GIS, stable isotopes and DNA fingerprinting. Some figures have been modified to include a "figure legend question" that tests the readers understanding of the content in the figure. The answers to the figure legend questions are at the back of the book for easy access by the student. Some figures have also been modified to include error bars. The companion website to the book has also been modified to include a section on "climate change connections" that is associated with many of the chapters. This on-line material seeks to emphasize how global climate change will influence the ecological processes covered in the current chapter. Instructors also have access to inquiry exercises that can be assigned to students inside or outside of class. These inquiry exercises are designed to take students about 10 minutes to complete.

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Spira, T. P. 2011. Wildflowers and Plant Communities of the Southern Appalachian Mountains and Piedmont. The University of North Carolina Press. Chapel Hill, NC. 523 pp. \$26.00, soft cover.

There are dozens of guidebooks to help amateurs or professionals identify plants of the Southern Appalachians and Piedmont, but in many cases these books do little to help readers understand the larger community context of the plant they have identified. Without a phylogenetic or community framework, the reader is left with a name but a minimal gain in understanding about the natural world. Spira's book addresses this issue by explicitly presenting plant identification in a community context. In fact, the book's focus on plant identification is secondary to its primary goal of explaining the variation among plant communities, from broad physiographic provinces to localized communities throughout the southern Appalachians and Piedmont. In so doing, Spira has provided a valuable and accessible reference for educators, students, conservationists, and naturalists who want to learn about plant identification and plant communities.

Spira simultaneously presents information on plant identification and plant communities by organizing his book into four sections. The first section introduces important features of the Appalachians and Piedmont, as well as important concepts in plant community ecology. This section describes the geology, soils, climate, human impacts, and conservation concerns of both the Appalachians and Piedmont. It also describes ecological concepts, such as

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vertical stratification, species richness, dominance, and succession. The second section contains small thumbnail photos of common or distinctive species organized by community type. Along with the photographs, the reader is provided with species names (common and scientific) and page numbers that refer to more complete descriptions of each species. The third section describes twenty-one community types in detail, providing information on each community's physical characteristics, vegetation (a table of characteristic species is included), seasonal changes, distribution, dynamics, and conservation threats and priorities. The fourth section makes up approximately half of the book. It includes nearly page long descriptions of each species, which include an enlarged copy of the thumbnail photograph and information on identifying characteristics, habitat and range, taxonomy, ecology, wildlife uses, and human uses. The book ends with a glossary, appendix of selected natural areas, and bibliography.

The primary strength of this book is its focus on plant communities. For example, a reader planning a hike through higher elevations of the Appalachians would benefit from reading beforehand sections about spruce-fir forests, grassy balds, heath balds, rock outcrops, and high elevation red oak forests. On the hike, the thumbnail photos of plants would help in identifications and determining the community type they were passing through. When time allowed, the longer species descriptions could be consulted for additional information. Ideally, this would allow the reader to recognize and appreciate the variation among the communities traversed.

As with any field guide, this one has limitations. While the title refers to wildflowers, the book includes many shrubs and trees, as well as a few non-flowering plants. Inclusion of this diversity is desirable; however, the book only provides detailed descriptions of 340 species despite acknowledging that the southern Appalachians include more than 2,500 species of flowering plants alone. Thus, the book is limited to being a description of common or distinctive species, not an exhaustive key. Furthermore, because the thumbnail photos are organized by plant community, many identical photos are included in multiple sections (e.g., *Acer rubrum* is included eleven times). This problem is ameliorated by all thumbnails of a species referring to the same species description in the book's fourth section, which is organized alphabetically within plant habit. Weighing in over two pounds, the book is large but reasonable to take to the field.

The book's organization based on plant communities could be a help or hindrance to someone using it as an aid to identify plants. For distinctive plant communities (e.g., fir forest or mountain bog), readers will likely be able to identify the community type easily and begin their search in the appropriate section. Other community types are harder to discern (e.g., basic mesic forest compared to a river bluff forest) and a logical circularity may present itself: the reader needs to look up species by community type, but the community type is most easily identified by the species it includes. Moreover, because many species occur in multiple community types and because communities may intergrade, recognizing one or more species will not necessarily lead the reader to the correct section. Ultimately, these problems should be overcome by a diligent reader who is willing to take the time to compare characteristics of multiple candidate communities or who learns to recognize communities by

landscape features. The process of identifying the plant may be more tedious than in a guide organized by morphology or taxonomy, but readers will ultimately learn more about the community than they would otherwise.

Because most readers will use this book in part as a tool for field identifications, its strengths and weaknesses specifically in this regard should be examined. It does not contain a species key, so identifications begin with flipping through photographs. The photographs are well done, and most include both vegetative and reproductive structures (flowers or fruit). However, reliance on a single image means that only one reproductive stage is shown and characteristics such as bark and winter twigs are omitted. Species descriptions are short, clear and not overly technical. In addition, the glossary and two pages of illustrations explain botanical terms that are employed. The book is not exhaustive and species descriptions do not mention similar species, so identifications require confirmation in other sources. The book includes genus and family names but does not emphasize relationships among species or present characteristics of genera or families.

Overall, this book is an excellent resource for classes investigating plant communities in the region, and it is a useful resource for amateurs or professionals who want to better understand or identify plant communities and their characteristic species.

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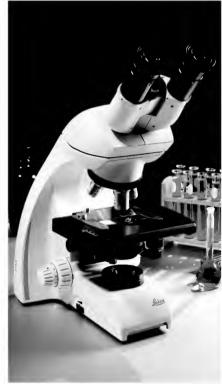
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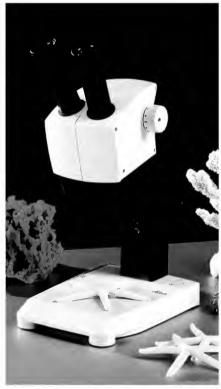
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